

FIGURE 1A

MARKER ID	MW	FRACTION	MARKER ID	MW	FRACTION	MARKER ID	MW	FRACTION	MARKER ID	MW	FRACTION
IM-1	2011	A	IM-37	3893	A	IM-72	54026	A	IM-109	28362	B
IM-2	2030	A	IM-38	3960	A	IM-73	60170	A	IM-110	2967	B
IM-3	2069	A	IM-39	3972	A	IM-75	74372	A	IM-111	2977	B
IM-4	2128	A	IM-40	3984	A	IM-76	75545	A	IM-112	2994	B
IM-5	2146	A	IM-41	4066	A	IM-77	77543	A	IM-113	3031	B
IM-6	2186	A	IM-42	4178	A	IM-78	79507	A	IM-114	3048	B
IM-7	2232	A	IM-43	4287	A	IM-79	89854	A	IM-115	3148	B
IM-8	2277	A	IM-44	4297	A	IM-80	101831	A	IM-116	3166	B
IM-9	2295	A	IM-45	4309	A	IM-81	104301	A	IM-117	3283	B
IM-10	2318	A	IM-46	4484	A	IM-82	125160	A	IM-118	3308	B
IM-11	2411	A	IM-47	4649	A	IM-83	132976	A	IM-119	3332	B
IM-12	2434	A	IM-48	4798	A	IM-84	149099	A	IM-120	3432	B
IM-13	2467	A	IM-49	5104	A	IM-85	2016	B	IM-121	3450	B
IM-14	2482	A	IM-50	5918	A	IM-86	2029	B	IM-122	3561	B
IM-15	2498	A	IM-51	6122	A	IM-87	2144	B	IM-123	3615	B
IM-16	2565	A	IM-52	6192	A	IM-88	2130	B	IM-124	3714	B
IM-17	2574	A	IM-53	6452	A	IM-89	2168	B	IM-125	3730	B
IM-18	2586	A	IM-54	6660	A	IM-90	2184	B	IM-126	3834	B
IM-19	2605	A	IM-55	7766	A	IM-91	2200	B	IM-127	3899	B
IM-20	2722	A	IM-56	8145	A	IM-92	2284	B	IM-128	3969	B
IM-21	2746	A	IM-57	8954	A	IM-93	2299	B	IM-129	3986	B
IM-22	2788	A	IM-58	9312	A	IM-94	2314	B	IM-130	3997	B
IM-23	2855	A	IM-59	9449	A	IM-95	2414	B	IM-131	4013	B
IM-24	2871	A	IM-60	10272	A	IM-96	2428	B	IM-132	4181	B
IM-25	2984	A	IM-61	11663	A	IM-97	2451	B	IM-133	4297	B
IM-26	3030	A	IM-62	13376	A	IM-98	2466	B	IM-134	4311	B
IM-27	3144	A	IM-63	14698	A	IM-99	2483	B	IM-135	4465	B
IM-28	3243	A	IM-64	15190	A	IM-100	2565	B	IM-136	4484	B
IM-29	3273	A	IM-64	66758	A	IM-101	2583	B	IM-137	4579	B
IM-30	3290	A	IM-65	15951	A	IM-102	2597	B	IM-138	4608	B
IM-31	3369	A	IM-66	15172	A	IM-103	2697	B	IM-139	4669	B
IM-32	3445	A	IM-67	15925	A	IM-104	2715	B	IM-140	4747	B
IM-33	3483	A	IM-68	23436	A	IM-105	2740	B	IM-141	4862	B
IM-34	3676	A	IM-69	39794	A	IM-106	2752	B	IM-142	4891	B
IM-35	3779	A	IM-70	44166	A	IM-107	2767	B	IM-143	5033	B
IM-36	3793	A	IM-71	46890	A	IM-108	2865	B	IM-144	5077	B

FIGURE 1B

MARKER ID	MW	FRACTION	MARKER ID	MW	FRACTION	MARKER ID	MW	FRACTION
IM-145	5099	B	IM-182	17346	B	IM-218	2145	C
IM-146	5143	B	IM-183	18311	B	IM-219	2167	C
IM-147	5158	B	IM-184	22586	B	IM-220	2182	C
IM-148	5272	B	IM-185	23422	B	IM-221	2199	C
IM-149	5306	B	IM-186	27969	B	IM-222	2211	C
IM-150	5349	B	IM-187	33283	B	IM-223	2230	C
IM-151	5364	B	IM-188	39808	B	IM-224	2250	C
IM-152	5421	B	IM-189	43110	B	IM-225	2280	C
IM-153	5554	B	IM-190	44454	B	IM-226	2297	C
IM-154	5711	B	IM-191	47215	B	IM-227	2317	C
IM-155	5876	B	IM-192	53784	B	IM-228	2412	C
IM-156	5916	B	IM-193	55952	B	IM-229	2428	C
IM-157	5931	B	IM-194	60573	B	IM-230	2468	C
IM-158	5988	B	IM-195	66346	B	IM-231	2481	C
IM-159	6137	B	IM-196	73387	B	IM-232	2498	C
IM-160	6200	B	IM-197	79203	B	IM-233	2567	C
IM-161	6443	B	IM-198	89302	B	IM-234	2585	C
IM-162	6644	B	IM-199	94226	B	IM-235	2599	C
IM-163	6958	B	IM-200	99358	B	IM-236	2698	C
IM-164	7481	B	IM-201	102096	B	IM-237	2715	C
IM-165	7568	B	IM-202	107199	B	IM-238	2745	C
IM-166	7765	B	IM-203	116936	B	IM-239	2766	C
IM-167	7955	B	IM-204	119487	B	IM-240	2867	C
IM-168	8144	B	IM-205	122103	B	IM-241	2885	C
IM-169	8698	B	IM-206	125431	B	IM-242	2998	C
IM-170	8821	B	IM-207	132052	B	IM-243	3052	C
IM-171	8944	B	IM-208	136518	B	IM-244	3096	C
IM-172	9138	B	IM-209	145147	B	IM-245	3151	C
IM-173	9298	B	IM-210	157502	B	IM-246	3167	C
IM-174	9390	B	IM-211	168579	B	IM-247	3286	C
IM-175	9516	B	IM-212	173391	B	IM-248	3303	C
IM-176	11711	B	IM-213	2011	C	IM-249	3335	C
IM-177	11914	B	IM-214	2030	C	IM-250	3448	C
IM-178	14033	B	IM-215	2050	C	IM-251	3619	C
IM-179	15110	B	IM-216	2096	C	IM-252	3709	C
IM-180	15838	B						

MARKER ID	MW	FRACTION	MARKER ID	MW	FRACTION	MARKER ID	MW	FRACTION	MARKER ID	MW	FRACTION
IM-289	89081	C	IM-325	2565	D	IM-361	13857	D	IM-397	2082	E
IM-290	94147	C	IM-326	2582	D	IM-362	14056	D	IM-398	2128	E
IM-291	99324	C	IM-327	2597	D	IM-363	15108	D	IM-399	2148	E
IM-292	107163	C	IM-328	2716	D	IM-364	15844	D	IM-400	2170	E
IM-293	110350	C	IM-329	2747	D	IM-365	22243	D	IM-401	2187	E
IM-294	113339	C	IM-330	2767	D	IM-366	25465	D	IM-402	2206	E
IM-295	116291	C	IM-331	2866	D	IM-367	28022	D	IM-403	2232	E
IM-296	122769	C	IM-332	2882	D	IM-368	33272	D	IM-404	2250	E
IM-297	131908	C	IM-333	2994	D	IM-369	40149	D	IM-405	2279	E
IM-298	145248	C	IM-334	3032	D	IM-370	43113	D	IM-406	2296	E
IM-299	159252	C	IM-335	3050	D	IM-371	44219	D	IM-407	2314	E
IM-300	165164	C	IM-336	3148	D	IM-372	47196	D	IM-408	2354	E
IM-301	174928	C	IM-337	3164	D	IM-373	51062	D	IM-409	2394	E
IM-302	196003	C	IM-338	3278	D	IM-374	56082	D	IM-410	2413	E
IM-303	2007	D	IM-339	3334	D	IM-375	58239	D	IM-411	2436	E
IM-304	2016	D	IM-340	3385	D	IM-376	60285	D	IM-412	2457	E
IM-305	2030	D	IM-341	3432	D	IM-377	66148	D	IM-413	2466	E
IM-306	2052	D	IM-342	3451	D	IM-378	73668	D	IM-414	2499	E
IM-307	2099	D	IM-343	3617	D	IM-379	77433	D	IM-415	2566	E
IM-308	2130	D	IM-344	3701	D	IM-380	79986	D	IM-416	2583	E
IM-309	2144	D	IM-345	3725	D	IM-381	80844	D	IM-417	2612	E
IM-310	2154	D	IM-346	3833	D	IM-382	88962	D	IM-418	2662	E
IM-311	2166	D	IM-347	3899	D	IM-383	94399	D	IM-419	2723	E
IM-312	2184	D	IM-348	4008	D	IM-384	99419	D	IM-420	2738	E
IM-313	2204	D	IM-349	4157	D	IM-385	108395	D	IM-421	2750	E
IM-314	2231	D	IM-350	4297	D	IM-386	116433	D	IM-422	2849	E
IM-315	2252	D	IM-351	4580	D	IM-387	123337	D	IM-423	2867	E
IM-316	2275	D	IM-352	4805	D	IM-388	131977	D	IM-424	3036	E
IM-317	2299	D	IM-353	6946	D	IM-389	145658	D	IM-425	3147	E
IM-318	2316	D	IM-354	7053	D	IM-390	152603	D	IM-426	3281	E
IM-319	2412	D	IM-355	7767	D	IM-391	159524	D	IM-427	3319	E
IM-320	2435	D	IM-356	7954	D	IM-392	196072	D	IM-428	3445	E
IM-321	2466	D	IM-357	8139	D	IM-393	2010	E	IM-429	3693	E
IM-322	2480	D	IM-358	9292	D	IM-394	2029	E	IM-430	3731	E
IM-323	2499	D	IM-359	11671	D	IM-395	2050	E	IM-431	3818	E
IM-324	2518	D	IM-360	13727	D	IM-396	2068	E	IM-432	3885	E

FIGURE 1D

MARKER ID	MW	FRACTION	MARKER ID	MW	FRACTION
IM-433	4136	E	IM-469	86211	F
IM-434	4169	E	IM-470	89407	F
IM-435	4257	E	IM-471	100270	F
IM-436	4277	E	IM-472	109638	F
IM-437	4355	E	IM-473	117132	E
IM-438	4369	E	IM-474	132843	E
IM-439	4470	E	IM-475	147160	E
IM-440	4486	E	IM-476	152199	E
IM-441	4541	E	IM-477	166461	E
IM-442	4634	E	IM-478	176635	E
IM-443	4841	E	IM-479	2011	F
IM-444	5862	E	IM-480	2030	F
IM-445	5911	E	IM-481	2128	F
IM-446	6649	E	IM-482	2149	F
IM-447	6952	E	IM-483	2186	F
IM-448	7769	E	IM-484	2207	F
IM-449	8148	E	IM-485	2279	F
IM-450	8260	E	IM-486	2299	F
IM-451	8785	E	IM-487	2319	F
IM-452	9301	E	IM-488	2412	F
IM-453	10071	E	IM-489	2434	F
IM-454	11721	E	IM-490	2467	F
IM-455	13910	E	IM-491	2485	F
IM-456	15919	E	IM-492	2582	F
IM-457	22422	E	IM-493	2605	F
IM-458	28233	E	IM-494	2697	F
IM-459	33490	E	IM-495	2751	F
IM-460	43121	E	IM-496	2865	F
IM-461	44558	E	IM-497	3036	F
IM-462	46694	E	IM-498	3151	F
IM-463	50954	E	IM-499	3372	F
IM-464	54478	E	IM-500	3440	F
IM-465	60041	E	IM-501	3488	F
IM-466	66652	E	IM-502	3717	F
IM-467	75580	E	IM-503	3890	F
IM-468	79463	E	IM-504	4155	F

FIGURE 2

RANK	MW	MARKER ID	RANK	MW	MARKER ID
1	14073	IM-522	39	117132	IM-473
2	11705	IM-273	40	13727	IM-360
3	11717	IM-520	41	4257	IM-435
4	11545	IM-519	42	5349	IM-150
5	11721	IM-454	43	5364	IM-151
6	4473	IM-507	44	2967	IM-110
7	13887	IM-521	45	6122	IM-51
8	5272	IM-148	46	6958	IM-163
9	5365	IM-266	47	4355	IM-437
10	75122	IM-537	48	160768	IM-546
11	100270	IM-471	49	5554	IM-153
12	5862	IM-510	50	7767	IM-268
13	132711	IM-544			
14	132843	IM-474			
15	5876	IM-155			
16	5932	IM-157			
17	11711	IM-176			
18	5911	IM-445			
19	11914	IM-177			
20	4486	IM-440			
21	79463	IM-468			
22	4369	IM-438			
23	100310	IM-542			
24	11671	IM-359			
25	4277	IM-436			
26	2752	IM-106			
27	13910	IM-455			
28	5862	IM-444			
29	5988	IM-158			
30	5347	IM-265			
31	5918	IM-50			
32	6137	IM-159			
33	5916	IM-156			
34	4470	IM-439			
35	5931	IM-157			
36	4631	IM-508			
37	7772	IM-514			
38	176635	IM-478			

Figure 3A

Figure 38

7576	6820	7574	7770
7581	7594	7558	7548
7753	7754	7755	7759
8139	8138	8137	8141
8141	8140	8139	8143
8811	8811	8811	8810
8844	8842	8843	8845
9142	9158	9143	9148
8503	8502	8500	8503
10074	10080	10078	10069
10279	10277	10276	10278
10451	10457	10457	10459
11484	11480	11480	11488
11680	11689	11685	11704
12875	12877	12862	12870
13335	13335	13324	13335
14485	14485	14700	14702
15142	15142	15143	15144
15881	15888	15890	15889
23472	23443	23462	23453
28117	28102	28100	28092
28767	28767	28765	28748
33374	33329	33380	33373
38833	38833	38871	38882
44439	44327	44464	44363
49954	50167	50096	49849
51314	51386	51317	51348
53765	53765	53868	53924
59220	60008	60010	59913
62316	62316	62109	62319
63019	63019	62857	62109
68663	68663	67038	68658
68409	68409	68577	68356
74706	74706	74652	74611
78108	78108	78052	78058
88320	88320	88516	88072
101107	100985	101117	100984
113053	113053	113102	112142
124239	124238	124241	124232
134613	134613	134770	134468
148016	147866	147824	147603
172245	171736	171725	171101
2011	2011	2012	2013
2037	2037	2037	2037
2051	2051	2019	2079
2226	2226	2223	2223
2278	2278	2276	2276
2294	2294	2284	2284
2426	2426	2429	2428
2500	2500	2500	2501
2580	2580	2580	2581

Figure 3c

WM-102	B	2722	2722	2723	2723
WM-103	B	2763	2763	2762	2762
WM-104	B	2865	2864	2865	2865
WM-105	B	2833	2833	2833	2833
WM-106	B	3092	3092	3093	3093
WM-107	B	3159	3157	3155	3155
WM-108	B	3269	3267	3267	3268
WM-109	B	3311	3310	3310	3310
WM-110	B	3445	3447	3445	3446
WM-111	B	3817	3816	3816	3816
WM-112	B	3858	3850	3858	3858
WM-113	B	4210	4216	4210	4210
WM-114	B	4232	4291	4292	4290
WM-115	B	4419	4416	4414	4414
WM-116	B	4698	4696	4698	4698
WM-117	B	4938	4938	4984	4984
WM-118	B	5013	5008	5012	5012
WM-119	B	5342	5348	5344	5344
WM-120	B	5900	5915	5914	5914
WM-121	B	6440	6446	6439	6439
WM-122	B	6838	6843	6835	6835
WM-123	B	6822	6845	6822	6822
WM-124	B	7573	7570	7578	7573
WM-125	B	7768	7772	7769	7770
WM-126	B	7825	7840	7840	7841
WM-127	B	8142	8149	8138	8143
WM-128	B	8700	8703	8701	8701
WM-129	B	8822	8826	8824	8823
WM-130	B	8945	8952	8944	8945
WM-131	B	9188	9191	9185	9194
WM-132	B	9288	9303	9295	9295
WM-133	B	11620	11615	11517	11515
WM-134	B	11711	11709	11717	11709
WM-135	B	14083	14083	14083	14083
WM-136	B	15132	15145	15133	15133
WM-137	B	15864	15873	15875	15875
WM-138	B	17304	17323	17328	17320
WM-139	B	22397	22397	22289	22387
WM-140	B	23550	23550	23557	23557
WM-141	B	28114	28112	28117	28117
WM-142	B	33369	33364	33354	33369
WM-143	B	37508	37581	37583	37568
WM-144	B	38680	39760	38988	38689
WM-145	B	44590	44632	44571	44585
WM-146	B	47400	47432	47403	47422
WM-147	B	51287	51339	47407	47433
WM-148	B	56293	56279	51310	51309
WM-149	B	68289	68862	68451	68484
WM-150	B	68460	68469	68460	68489
WM-161	B	73122	73050	73149	73180
WM-162	B	75411	75353	75264	75317

Figure 3D

Figure 3E

W4-204	C	14093	14058	14088	14088
W4-205	C	15148	15146	15139	15139
W4-206	C	16862	17395	16139	15887
W4-207	C	22238	22258	22252	22246
W4-208	C	28110	28117	28110	28114
W4-209	C	33910	33815	33318	33339
W4-210	C	37250	37214	37228	37205
W4-211	C	44526	44511	44444	44518
W4-212	C	44511	44526	44542	44529
W4-213	C	47380	47378	47398	47377
W4-214	C	51210	51235	51287	51237
W4-215	C	56234	56230	56212	56236
W4-216	C	69763	69764	69710	69762
W4-217	C	68445	68445	68437	68447
W4-218	C	74148	74144	74791	74823
W4-219	C	78818	78819	78835	78846
W4-220	C	80232	80405	80275	80468
W4-221	C	83895	83837	83687	83838
W4-222	C	88917	88920	88933	88942
W4-223	C	94872	94716	94824	94736
W4-224	C	98819	98868	98885	98873
W4-225	C	110774	110768	110795	110829
W4-226	C	118513	118193	118337	118344
W4-227	C	132423	132397	132434	132435
W4-228	C	145134	145087	145167	145177
W4-229	C	154930	154930	155086	155075
W4-230	C	165491	165376	165320	165374
W4-231	C	177203	177184	177355	177024
W4-232	C	181513	181620	181686	181715
W4-233	C	2011	2010	2010	2010
W4-234	C	2032	2032	2030	2033
W4-235	C	2054	2052	2052	2053
W4-236	C	2078	2078	2078	2078
W4-237	C	2168	2187	2187	2167
W4-238	C	2302	2299	2297	2289
W4-239	C	2357	2354	2352	2354
W4-240	C	2311	2212	2210	2212
W4-241	C	2230	2230	2228	2229
W4-242	C	2256	2255	2254	2255
W4-243	C	2278	2277	2276	2276
W4-244	C	2302	2299	2298	2299
W4-245	C	2354	2353	2354	2353
W4-246	C	2427	2428	2427	2428
W4-247	C	2481	2480	2483	2481
W4-248	C	2489	2500	2488	2500
W4-249	C	2544	2538	2542	2542
W4-250	C	2576	2578	2579	2578
W4-251	C	2535	2537	2537	2537
W4-252	C	2756	2761	2764	2760
W4-253	C	2868	2865	2867	2864
W4-254	C	2835	2837	2835	2836

Figure 3F

3084	3085	3080	3082	3083
3163	3157	3155	3157	3153
3281	3257	3253	3258	3164
WM-256	WM-257	WM-258	WM-259	WM-260
WM-258	WM-259	WM-260	WM-261	WM-262
WM-259	WM-260	WM-261	WM-262	WM-263
WM-260	WM-261	WM-262	WM-263	WM-264
WM-261	WM-262	WM-263	WM-264	WM-265
WM-262	WM-263	WM-264	WM-265	WM-266
WM-263	WM-264	WM-265	WM-266	WM-267
WM-264	WM-265	WM-266	WM-267	WM-268
WM-265	WM-266	WM-267	WM-268	WM-269
WM-266	WM-267	WM-268	WM-269	WM-270
WM-267	WM-268	WM-269	WM-270	WM-271
WM-268	WM-269	WM-270	WM-271	WM-272
WM-269	WM-270	WM-271	WM-272	WM-273
WM-270	WM-271	WM-272	WM-273	WM-274
WM-271	WM-272	WM-273	WM-274	WM-275
WM-272	WM-273	WM-274	WM-275	WM-276
WM-273	WM-274	WM-275	WM-276	WM-277
WM-274	WM-275	WM-276	WM-277	WM-278
WM-275	WM-276	WM-277	WM-278	WM-279
WM-276	WM-277	WM-278	WM-279	WM-280
WM-277	WM-278	WM-279	WM-280	WM-281
WM-278	WM-279	WM-280	WM-281	WM-282
WM-279	WM-280	WM-281	WM-282	WM-283
WM-280	WM-281	WM-282	WM-283	WM-284
WM-281	WM-282	WM-283	WM-284	WM-285
WM-282	WM-283	WM-284	WM-285	WM-286
WM-283	WM-284	WM-285	WM-286	WM-287
WM-284	WM-285	WM-286	WM-287	WM-288
WM-285	WM-286	WM-287	WM-288	WM-289
WM-286	WM-287	WM-288	WM-289	WM-290
WM-287	WM-288	WM-289	WM-290	WM-291
WM-288	WM-289	WM-290	WM-291	WM-292
WM-289	WM-290	WM-291	WM-292	WM-293
WM-290	WM-291	WM-292	WM-293	WM-294
WM-291	WM-292	WM-293	WM-294	WM-295
WM-292	WM-293	WM-294	WM-295	WM-296
WM-293	WM-294	WM-295	WM-296	WM-297
WM-294	WM-295	WM-296	WM-297	WM-298
WM-295	WM-296	WM-297	WM-298	WM-299
WM-296	WM-297	WM-298	WM-299	WM-300
WM-297	WM-298	WM-299	WM-300	WM-301
WM-298	WM-299	WM-300	WM-301	WM-302
WM-299	WM-300	WM-301	WM-302	WM-303
WM-300	WM-301	WM-302	WM-303	WM-304
WM-301	WM-302	WM-303	WM-304	WM-305

Figure 3G

Figure 3H

WM-357	E	8823	8827	8831	9830
WM-358	E	8824	8828	8832	9830
WM-359	E	8825	8829	8833	9830
WM-360	E	8826	8830	8834	9830
WM-361	E	8827	8831	8835	9830
WM-362	E	8828	8832	8836	9830
WM-363	E	8829	8833	8837	9830
WM-364	E	8830	8834	8838	9830
WM-365	E	8831	8835	8839	9830
WM-366	E	8832	8836	8840	9830
WM-367	E	8833	8837	8841	9830
WM-368	E	8834	8838	8842	9830
WM-369	E	8835	8839	8843	9830
WM-370	E	8836	8840	8844	9830
WM-371	E	8837	8841	8845	9830
WM-372	E	8838	8842	8846	9830
WM-373	E	8839	8843	8847	9830
WM-374	E	8840	8844	8848	9830
WM-375	E	8841	8845	8849	9830
WM-376	E	8842	8846	8850	9830
WM-377	E	8843	8847	8851	9830
WM-378	E	8844	8848	8852	9830
WM-379	E	8845	8849	8853	9830
WM-380	E	8846	8850	8854	9830
WM-381	E	8847	8851	8855	9830
WM-382	E	8848	8852	8856	9830
WM-383	E	8849	8853	8857	9830
WM-384	E	8850	8854	8858	9830
WM-385	E	8851	8855	8859	9830
WM-386	E	8852	8856	8860	9830
WM-387	E	8853	8857	8861	9830
WM-388	E	8854	8858	8862	9830
WM-389	E	8855	8859	8863	9830
WM-390	E	8856	8860	8864	9830
WM-391	F	8857	8861	8865	9830
WM-392	F	8858	8862	8866	9830
WM-393	F	8859	8863	8867	9830
WM-394	F	8860	8864	8868	9830
WM-395	F	8861	8865	8869	9830
WM-396	F	8862	8866	8870	9830
WM-397	F	8863	8867	8871	9830
WM-398	F	8864	8868	8872	9830
WM-399	F	8865	8869	8873	9830
WM-400	F	8866	8870	8874	9830
WM-401	F	8867	8871	8875	9830
WM-402	F	8868	8872	8876	9830
WM-403	F	8869	8873	8877	9830
WM-404	F	8870	8874	8878	9830
WM-405	F	8871	8875	8879	9830
WM-406	F	8872	8876	8880	9830
WM-407	F	8873	8877	8881	9830
WM-357	E	8823	8827	8831	9830
WM-358	E	8824	8828	8832	9830
WM-359	E	8825	8829	8833	9830
WM-360	E	8826	8830	8834	9830
WM-361	E	8827	8831	8835	9830
WM-362	E	8828	8832	8836	9830
WM-363	E	8829	8833	8837	9830
WM-364	E	8830	8834	8838	9830
WM-365	E	8831	8835	8839	9830
WM-366	E	8832	8836	8840	9830
WM-367	E	8833	8837	8841	9830
WM-368	E	8834	8838	8842	9830
WM-369	E	8835	8839	8843	9830
WM-370	E	8836	8840	8844	9830
WM-371	E	8837	8841	8845	9830
WM-372	E	8838	8842	8846	9830
WM-373	E	8839	8843	8847	9830
WM-374	E	8840	8844	8848	9830
WM-375	E	8841	8845	8849	9830
WM-376	E	8842	8846	8850	9830
WM-377	E	8843	8847	8851	9830
WM-378	E	8844	8848	8852	9830
WM-379	E	8845	8849	8853	9830
WM-380	E	8846	8850	8854	9830
WM-381	E	8847	8851	8855	9830
WM-382	E	8848	8852	8856	9830
WM-383	E	8849	8853	8857	9830
WM-384	E	8850	8854	8858	9830
WM-385	E	8851	8855	8859	9830
WM-386	E	8852	8856	8860	9830
WM-387	E	8853	8857	8861	9830
WM-388	E	8854	8858	8862	9830
WM-389	E	8855	8859	8863	9830
WM-390	E	8856	8860	8864	9830
WM-391	F	8857	8861	8865	9830
WM-392	F	8858	8862	8866	9830
WM-393	F	8859	8863	8867	9830
WM-394	F	8860	8864	8868	9830
WM-395	F	8861	8865	8869	9830
WM-396	F	8862	8866	8870	9830
WM-397	F	8863	8867	8871	9830
WM-398	F	8864	8868	8872	9830
WM-399	F	8865	8869	8873	9830
WM-400	F	8866	8870	8874	9830
WM-401	F	8867	8871	8875	9830
WM-402	F	8868	8872	8876	9830
WM-403	F	8869	8873	8877	9830
WM-404	F	8870	8874	8878	9830
WM-405	F	8871	8875	8879	9830
WM-406	F	8872	8876	8880	9830
WM-407	F	8873	8877	8881	9830

Figure 3I

WM-403 F	2722	2723	2724	2722
WM-409 F	2751	2751	2750	2752
WM-410 F	2866	2866	2865	2866
WM-411 F	2870	2871	2870	2870
WM-412 F	3151	3158	3160	3152
WM-413 P	3373	3371	3372	3372
WM-414 F	3441	3441	3443	3439
WM-415 F	3487	3487	3487	3482
WM-416 F	3550	3576	3579	3589
WM-417 F	3720	3714	3717	3717
WM-418 F	3888	3888	3887	3886
WM-419 F	4037	4054	4054	4054
WM-420 F	4055	4057	4155	4155
WM-421 F	4153	4154	4158	4155
WM-422 F	4174	4179	4188	4212
WM-423 F	4201	4219	4205	4216
WM-424 F	4215	4219	4202	4204
WM-425 F	4358	4358	4374	4376
WM-426 F	4370	4375	4387	4378
WM-427 F	4414	4414	4416	4417
WM-428 F	4473	4472	4475	4473
WM-429 F	4631	4630	4635	4630
WM-430 F	4839	4832	4835	4838
WM-431 F	4832	4832	4824	4831
WM-432 F	5088	5080	5080	5083
WM-433 F	6447	6448	6486	6449
WM-434 F	6455	6455	6500	6498
WM-435 F	6682	6650	6658	6659
WM-436 F	6848	6854	6840	6848
WM-437 F	7161	7202	7191	7184
WM-438 F	7601	7600	7606	7185
WM-439 F	7774	7774	7771	7771
WM-440 F	7948	7949	7850	7949
WM-441 F	8238	8239	8236	8242
WM-442 F	8710	8708	8711	8708
WM-443 F	8859	8859	8837	8830
WM-444 F	8960	8962	8955	8958
WM-445 F	9175	9174	9181	9171
WM-446 F	9468	9475	9481	9460
WM-447 F	11563	11553	11568	11554
WM-448 F	11743	11729	11737	11738
WM-449 F	12475	12468	12457	12484
WM-450 F	12825	12828	12827	12826
WM-451 F	13903	13916	13907	13908
WM-452 F	14067	14068	14086	14098
WM-453 F	15162	15172	15161	15160
WM-454 F	15340	15341	15335	15340
WM-455 F	15893	15890	15888	15884
WM-456 F	17302	17313	17308	17299
WM-457 F	17385	17390	17384	17391
WM-458 F	23344	23275	23332	23350
WM-459 F	23401	23200	23198	23190

Figure 3J

Figure 3k

Figure 3L

WM-581	B	2539	2467
WM-582	B	2540	2639
WM-583	B	2576	2638
WM-584	B	3162	2639
WM-585	B	3161	2976
WM-586	B	3274	3132
WM-587	B	3360	3182
WM-588	B	3377	3274
WM-589	B	3376	3360
WM-590	B	3376	3376
WM-591	B	3484	3485
WM-592	B	3484	3553
WM-593	B	3485	3636
WM-594	B	3770	3770
WM-595	B	3842	3843
WM-596	B	3842	3950
WM-597	B	4080	4080
WM-598	B	4092	4092
WM-599	B	4143	4148
WM-600	B	4148	4162
WM-601	B	4147	4147
WM-602	B	4647	4647
WM-603	B	4782	4782
WM-604	B	4793	4793
WM-605	B	5443	5442
WM-606	B	5453	5442
WM-607	B	5988	5987
WM-608	B	6184	5988
WM-609	B	6184	6184
WM-610	B	6187	6185
WM-611	B	10865	10865
WM-612	B	16957	17907
WM-613	B	63723	63722
WM-614	B	83843	83827
WM-615	B	83865	63177
WM-616	B	171918	158165
WM-617	B	2053	171918
WM-618	B	2128	2128
WM-619	B	2286	2128
WM-620	B	2416	2053
WM-621	B	2468	2128
WM-622	B	2457	2457
WM-623	B	2574	2574
WM-624	B	2685	2685
WM-625	B	2724	2724
WM-626	B	2840	2840
WM-627	C	2889	2889
WM-628	C	2892	2892
WM-629	C	3122	3122
WM-630	C	2884	2884
WM-631	C	2980	2980
WM-632	C	3174	3162
WM-633	C	3163	3190
WM-634	C	3176	3177
WM-635	C	3252	3252
WM-636	C	3309	3309

Figure 3 M

Figure 3 N

WM-683	E	2598	2488	2603	2723	2723	2723
WM-684	E	2599	2586	2723	2722	2722	2751
WM-685	E	2750	2722	2761	2761	2761	2761
WM-686	E	2751	3375	3085	3370	3370	3370
WM-687	E			3370			
WM-688	E			3370			
WM-689	E			3370			
WM-690	E			3370			
WM-691	E	4128	3978	4131	4128	4128	4128
WM-692	E	4102	4129	4162	4162	4162	4165
WM-693	E						
WM-694	E						
WM-695	E						
WM-696	E						
WM-697	E						
WM-698	E						
WM-699	E						
WM-700	E						
WM-701	F	6445	4131	4131	6445	6445	6443
WM-702	F	6481	4162	4162	6481	6481	6482
WM-703	F						7844
WM-704	F						
WM-690	F						
WM-691	F						
WM-692	F						
WM-693	F						
WM-694	F						
WM-695	F						
WM-696	F						
WM-697	F						
WM-698	F						
WM-699	F						
WM-700	F						
WM-701	F						
WM-702	F						
WM-703	F						
WM-704	F						
WM-705	F						
WM-706	F						
WM-707	F						
WM-708	F						
WM-709	F						
WM-710	F						
WM-711	F						
WM-712	F						
WM-713	F						

Figure 30.



84106  
89790  
162375  
168886

84139

84139



84472  
161441  
162384

WM714 F  
WM715 F  
WM716 F  
WM718 F  
WM717 F

Figure 4A

Rank	Normal vs Cancer	Adeno vs Normal	Squamous vs Normal	Small Cell vs Normal	Non-small Cell vs Normal	Large Cell vs Normal	Adeno vs Squamous	Adeno vs Small Cell	Squamous vs Small Cell
1	WM-61	WM-447	WM-447	WM-70	WM-241	WM-16	WM-52	WM-457	WM-276
2	WM-447	WM-552	WM-61	WM-706	WM-342	WM-26	WM-72	WM-277	WM-277
3	WM-446	WM-61	WM-277	WM-359	WM-343	WM-489	WM-152	WM-369	WM-362
4	WM-133	WM-446	WM-446	WM-447	WM-48	WM-134	WM-385	WM-78	WM-257
5	WM-119	WM-280	WM-133	WM-61	WM-340	WM-647	WM-347	WM-79	WM-353
6	WM-278	WM-363	WM-134	WM-552	WM-346	WM-277	WM-134	WM-73	WM-347
7	WM-134	WM-133	WM-363	WM-282	WM-47	WM-38	WM-64	WM-53	WM-53
8	WM-383	WM-341	WM-362	WM-446	WM-339	WM-363	WM-103	WM-320	WM-284
9	WM-282	WM-285	WM-276	WM-456	WM-889	WM-448	WM-99	WM-419	WM-17
10	WM-382	WM-386	WM-706	WM-134	WM-669	WM-221	WM-151	WM-85	WM-252
11	WM-120	WM-282	WM-203	WM-203	WM-47	WM-289	WM-82	WM-431	WM-431
12	WM-280	WM-382	WM-486	WM-648	WM-652	WM-657	WM-53	WM-53	WM-53
13	WM-65	WM-310	WM-388	WM-455	WM-54	WM-290	WM-61	WM-412	WM-446
14	WM-277	WM-292	WM-65	WM-65	WM-587	WM-328	WM-117	WM-440	WM-355
15	WM-70	WM-120	WM-70	WM-885	WM-456	WM-447	WM-211	WM-455	WM-447
16	WM-369	WM-134	WM-341	WM-473	WM-450	WM-684	WM-362	WM-313	WM-133
17	WM-47	WM-276	WM-429	WM-343	WM-283	WM-183	WM-133	WM-458	WM-245
18	WM-473	WM-428	WM-347	WM-468	WM-207	WM-190	WM-414	WM-66	WM-52
19	WM-47	WM-277	WM-17	WM-341	WM-346	WM-686	WM-277	WM-70	WM-96
20	WM-203	WM-47	WM-47	WM-340	WM-384	WM-397	WM-141	WM-246	WM-243
21	WM-276	WM-119	WM-431	WM-383	WM-61	WM-488	WM-64	WM-360	WM-190
22	WM-279	WM-340	WM-62	WM-339	WM-167	WM-20	WM-135	WM-138	WM-138
23	WM-62	WM-48	WM-473	WM-457	WM-382	WM-17	WM-447	WM-418	WM-62
24	WM-366	WM-89	WM-384	WM-86	WM-285	WM-545	WM-383	WM-83	WM-580
25	WM-456	WM-450	WM-438	WM-506	WM-650	WM-47	WM-383	WM-257	WM-134
26	WM-428	WM-47	WM-652	WM-72	WM-203	WM-191	WM-63	WM-138	WM-240
27	WM-384	WM-343	WM-282	WM-287	WM-119	WM-147	WM-142	WM-446	WM-256
28	WM-287	WM-17	WM-389	WM-32	WM-282	WM-480	WM-446	WM-252	WM-203
29	WM-420	WM-583	WM-290	WM-328	WM-686	WM-590	WM-186	WM-282	WM-111
30	WM-292	WM-70	WM-278	WM-85	WM-83	WM-218	WM-111	WM-60	WM-95
31	WM-431	WM-06	WM-456	WM-73	WM-429	WM-285	WM-445	WM-68	WM-247
32	WM-455	WM-346	WM-673	WM-138	WM-11	WM-652	WM-455	WM-325	WM-157
33	WM-20	WM-466	WM-340	WM-384	WM-208	WM-651	WM-402	WM-242	WM-402
34	WM-340	WM-646	WM-55	WM-68	WM-451	WM-388	WM-444	WM-111	WM-556
35	WM-19	WM-384	WM-455	WM-450	WM-473	WM-403	WM-181	WM-405	WM-63
36	WM-389	WM-336	WM-645	WM-310	WM-220	WM-418	WM-35	WM-75	WM-239
37	WM-63	WM-284	WM-138	WM-277	WM-685	WM-430	WM-285	WM-417	WM-234
38	WM-438	WM-339	WM-420	WM-79	WM-338	WM-456	WM-387	WM-274	WM-274

Figure 4B

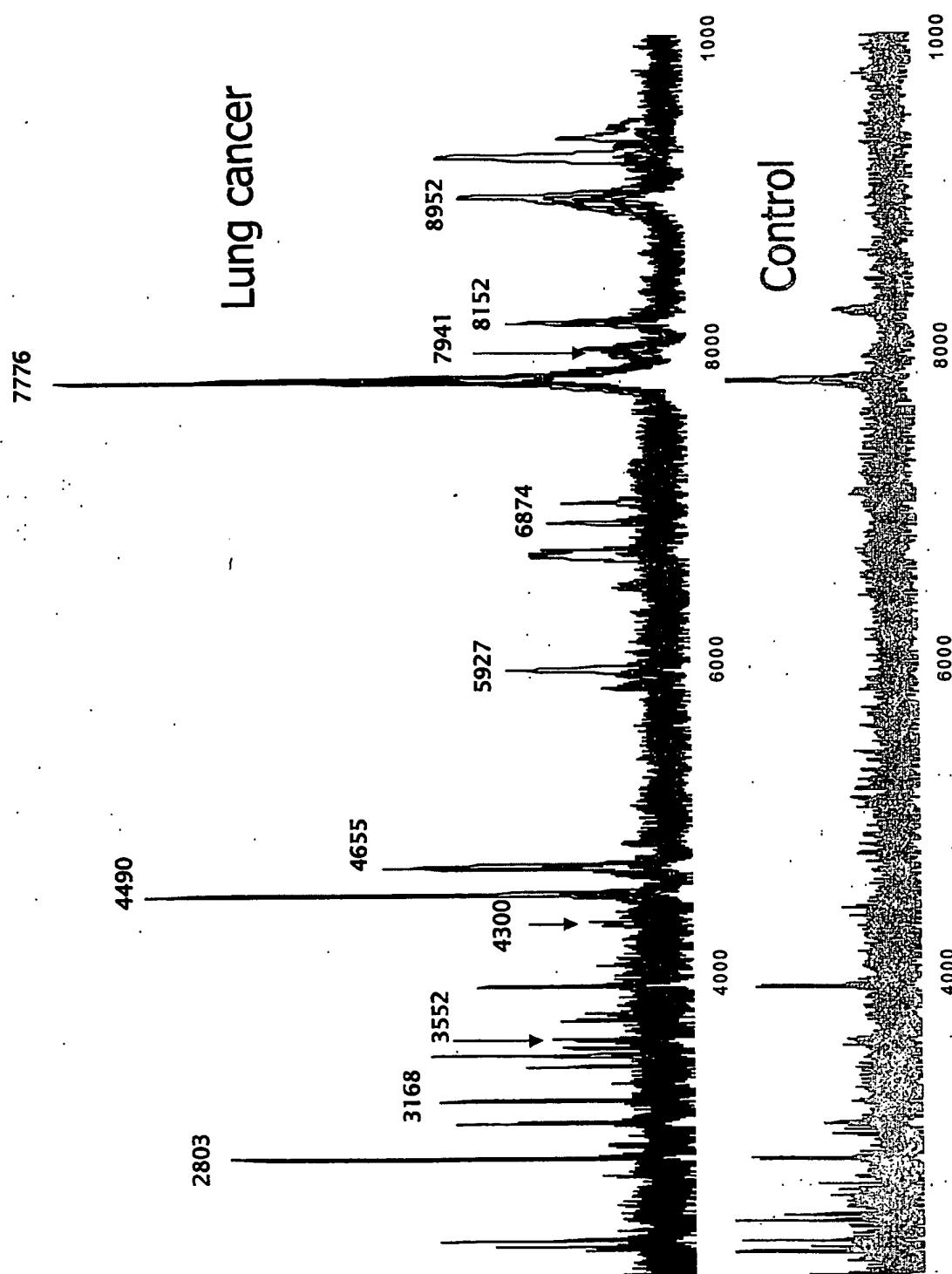
39	WM-450	WM-473	WM-207	WM-71	WM-714	WM-39
40	WM-486	WM-369	WM-278	WM-268	WM-646	WM-82
41	WM-298	WM-38	WM-279	WM-70	WM-109	WM-17
42	WM-343	WM-283	WM-342	WM-366	WM-545	WM-303
43	WM-341	WM-685	WM-471	WM-472	WM-675	WM-587
44	WM-339	WM-68	WM-674	WM-420	WM-446	WM-375
45	WM-55	WM-55	WM-120	WM-147	WM-120	WM-412
46	WM-66	WM-550	WM-20	WM-55	WM-287	WM-96
47	WM-48	WM-307	WM-287	WM-669	WM-468	WM-74
48	WM-38	WM-278	WM-83	WM-357	WM-347	WM-309
49	WM-138	WM-342	WM-154	WM-128	WM-153	WM-431
50	WM-310	WM-428	WM-128	WM-278	WM-38	WM-340
					WM-488	WM-198
					WM-49	WM-312
						WM-152
						WM-37

10 RSFSFLGEAFDCARDMVRAYSQDMREANYIGSDKYFHAMRGNYDAAKRGPGGVWAEEAISDARENIQRFQFGHGAEDSLADQAANNEWGRSGKDPNHFRPAGLPEKY  
20  
30  
40  
50  
60  
70  
80  
90  
100

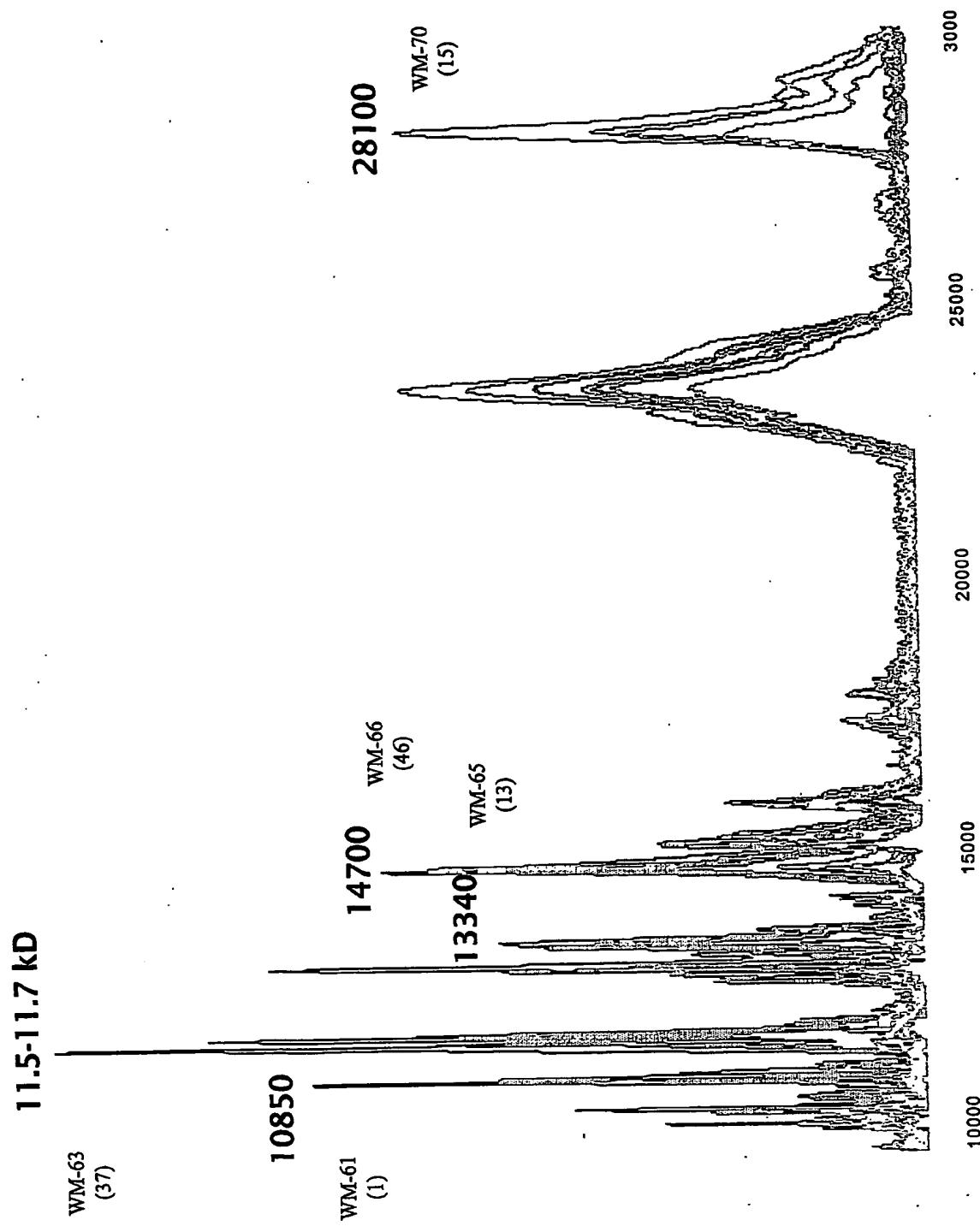
2803 SAA 42-67 (2802.1) 5927 SAA 32-85 (5925.3) 10300 SAA 6-97 (10299.1)  
3168 SAA 69-97 (3167.3) 6874 SAA 26-88 (6873.3) 10866 SAA 4-101 (10871.8)  
3277 SAA 39-68 (3276.6) 7776 SAA 1-68 (7774.6) 10851 SAA 5-102 (10853.7)  
3552 SAA 38-70 (3552) 7941 SAA 18-88 (7939.5)  
3897 SAA 64-98 (3897.2) 8152 SAA 25-98 (8150)  
4300 SAA 54-93 (4302.5) 8952 SAA 6-85 (8950)  
4490 SAA 53-93 (4489) 9233 SAA 16-97 (9235)  
4655 SAA 5-44 (4655.0)

Figure 5

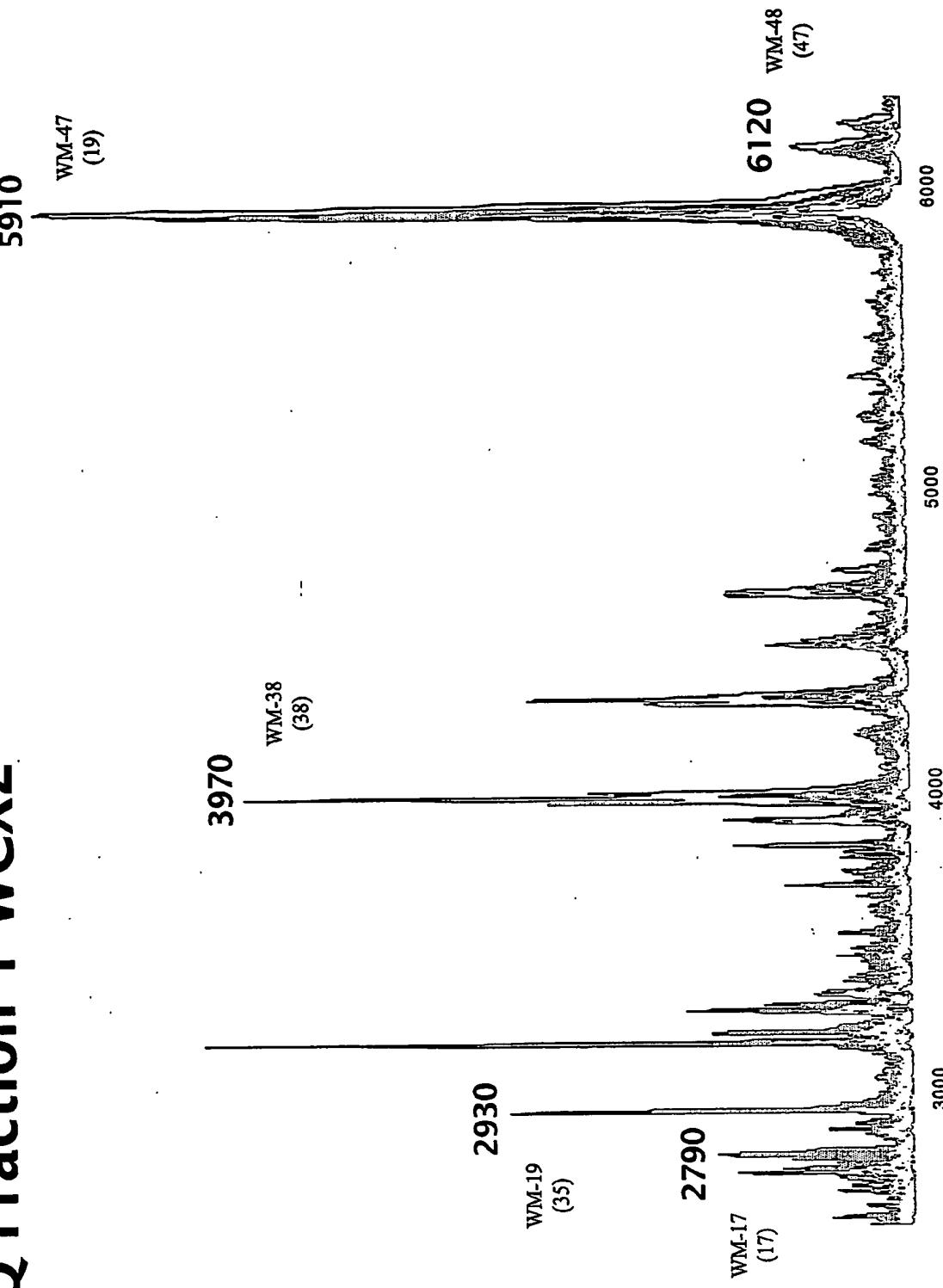
Figure 6



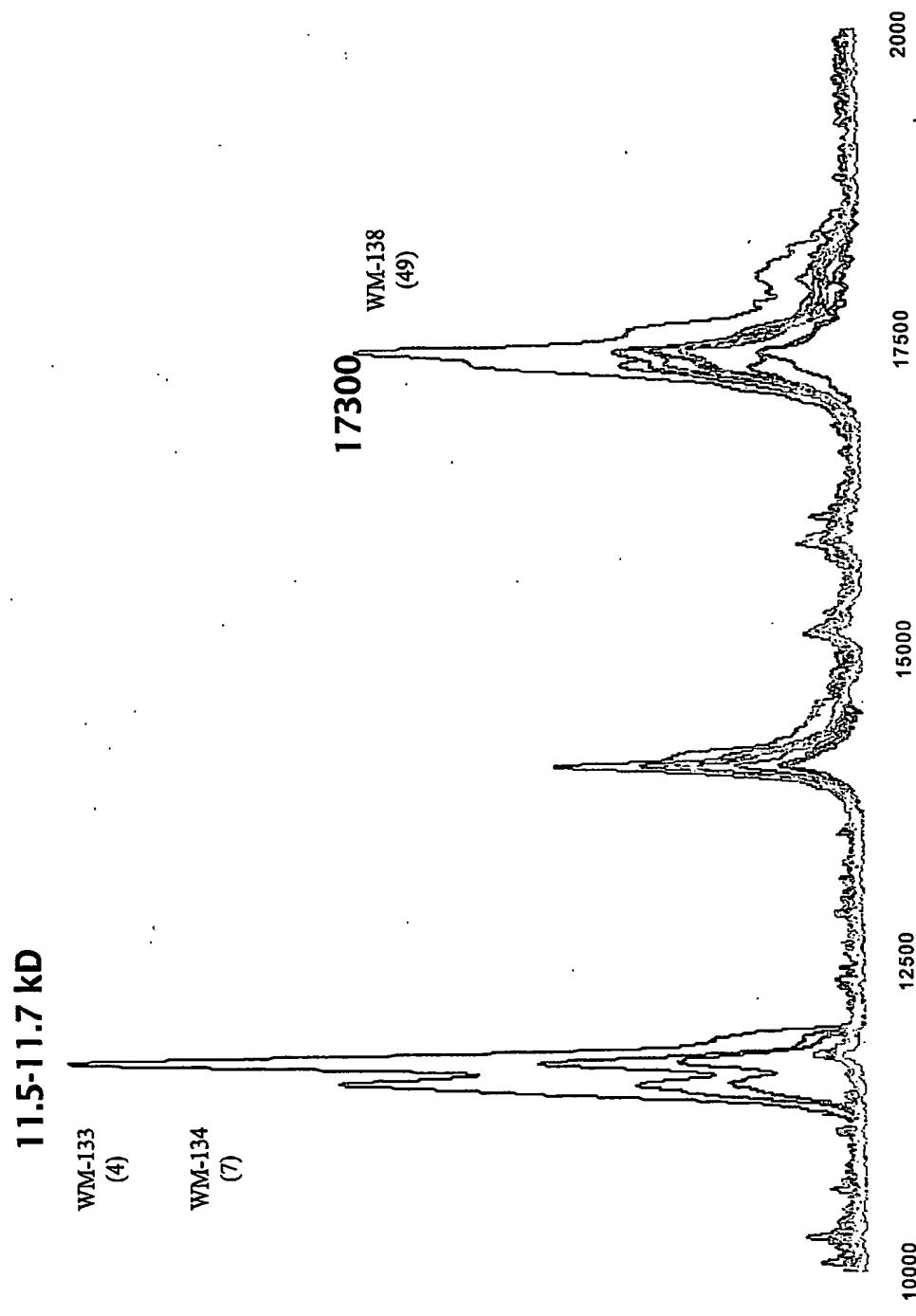
**FIGURE 7**  
**Protein Profile of Selected Samples Q Fraction 1 WCX2**



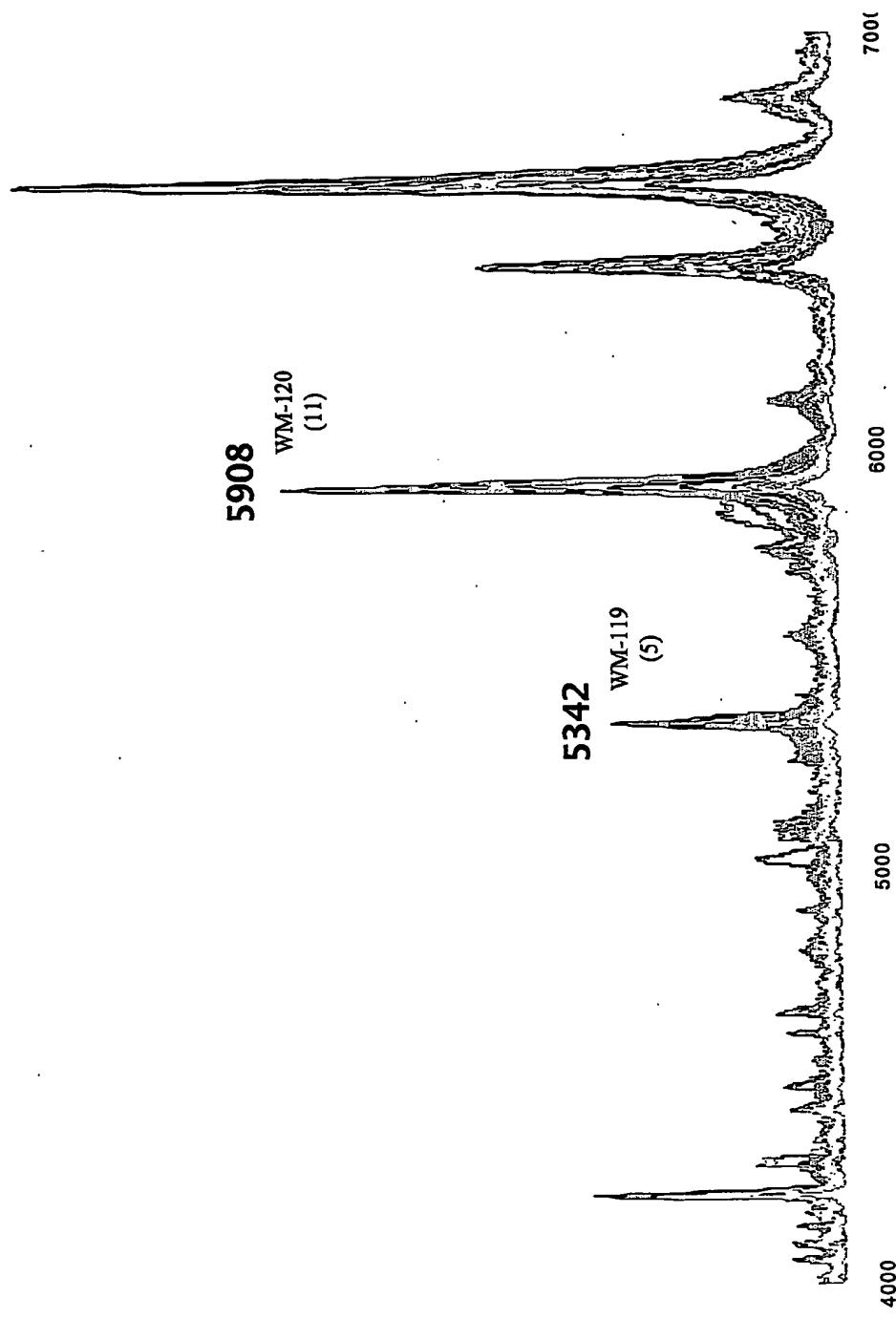
**Figure 8**  
**Protein Profile of Selected Samples**  
**Q Fraction 1 WCX2**



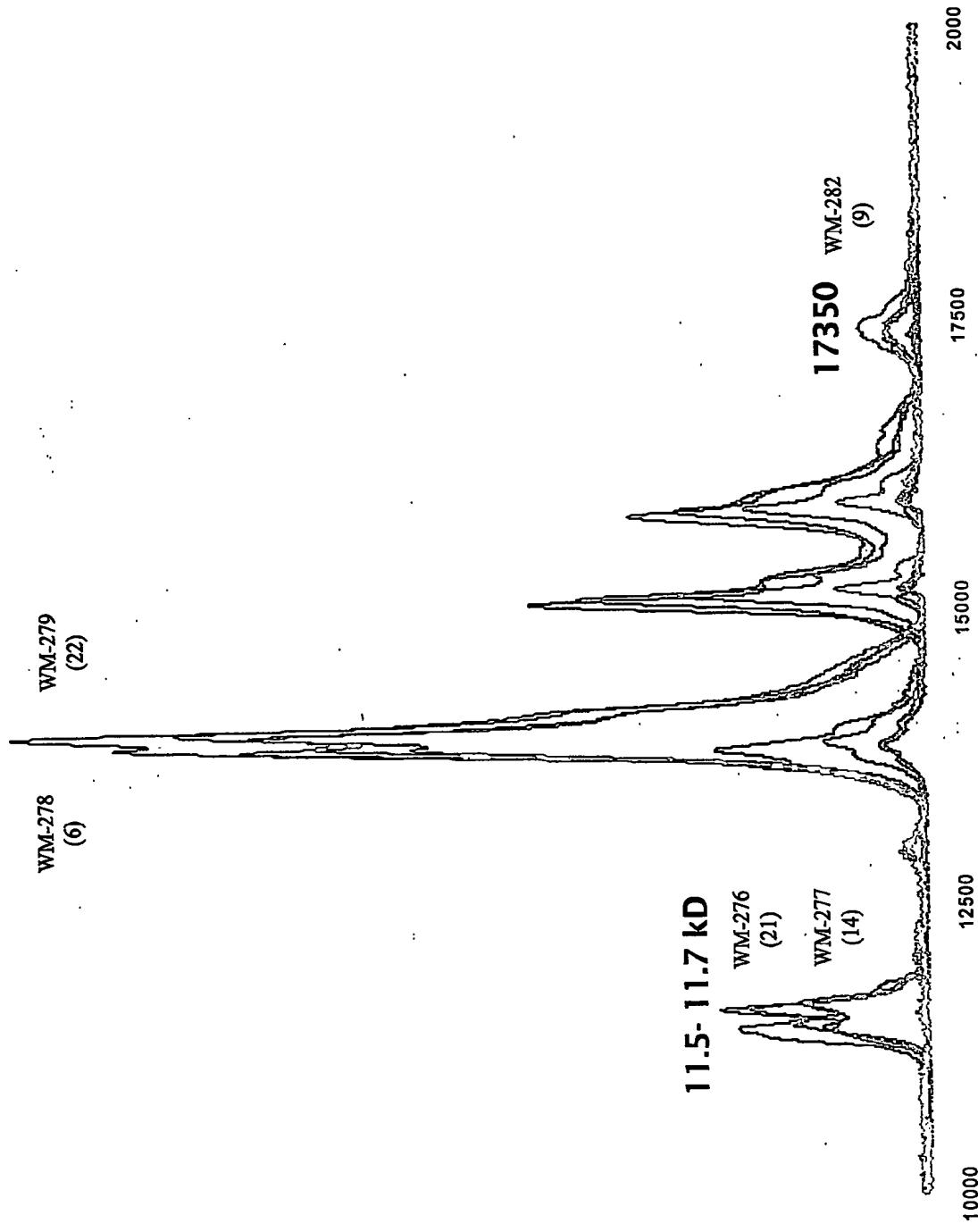
**Figure 9**  
**Protein Profile of Selected Samples**  
**Q Fraction 2 WCX2**



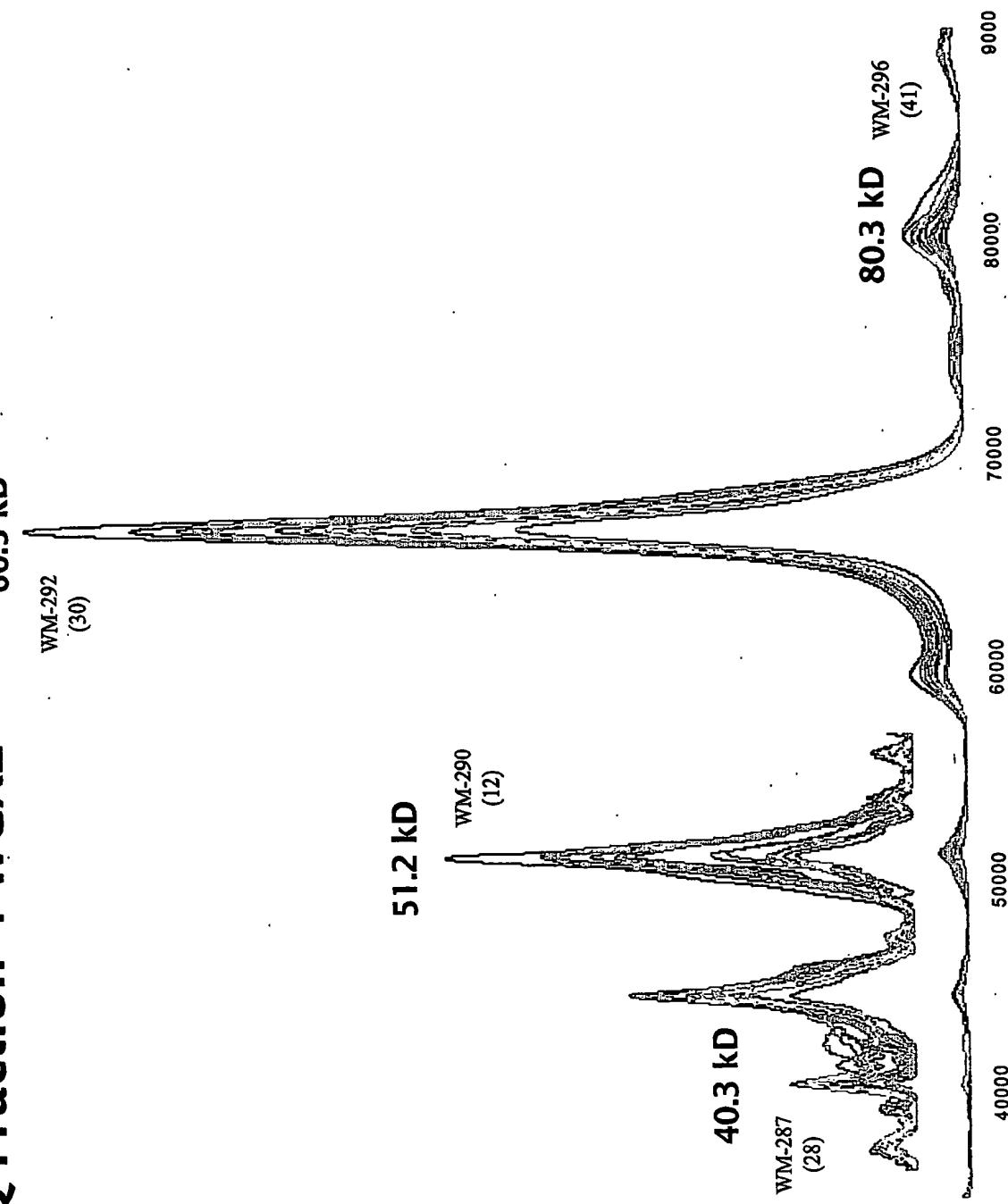
**Figure 10**  
**Protein Profile of Selected Samples**  
**Q Fraction 2 WCX2**



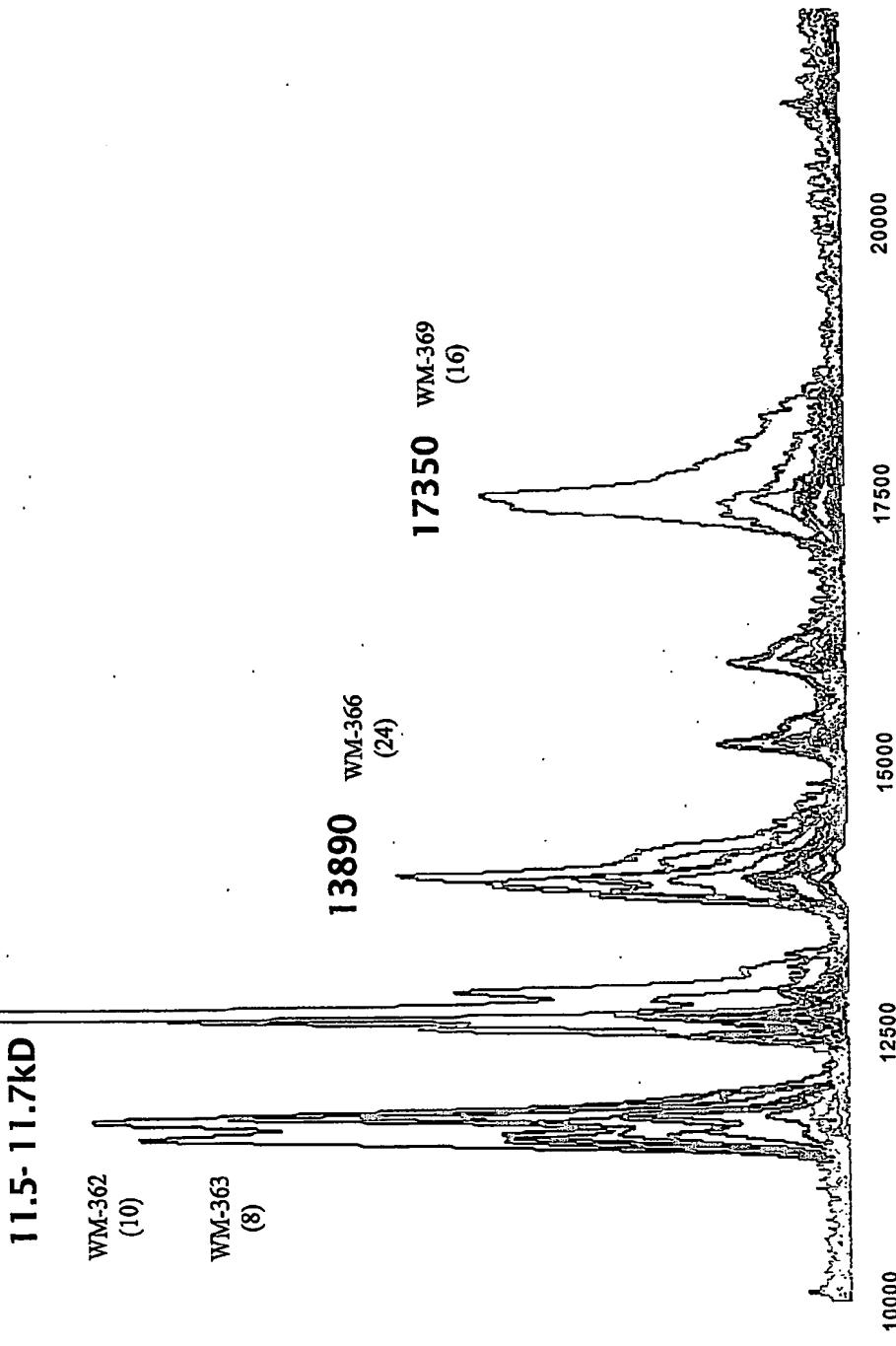
**Figure 11**  
**Protein Profile of Selected Samples**  
**Q Fraction 4 WCX2**  
**13.8-13.9 kD**



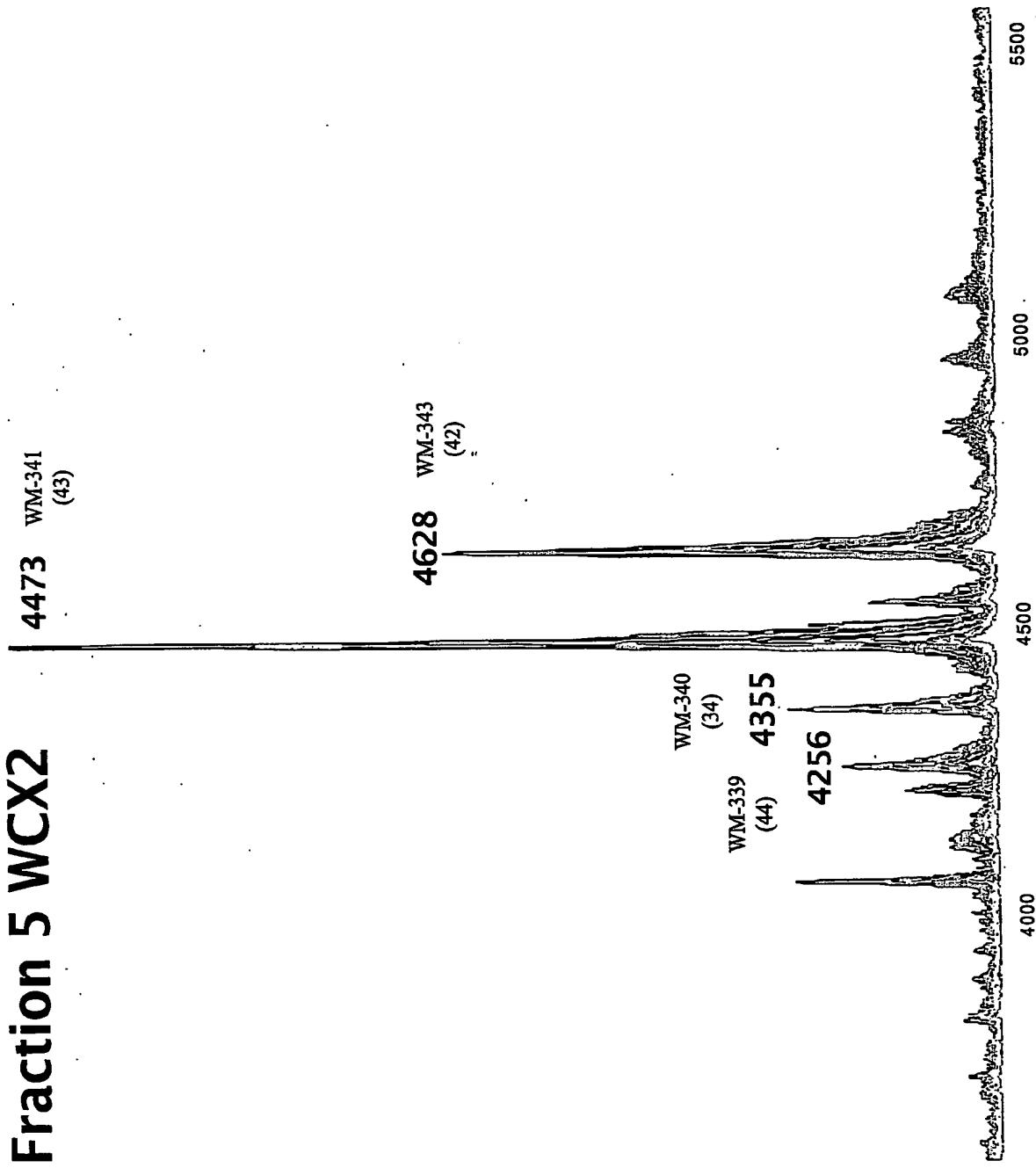
**Figure 12**  
**Protein Profile of Selected Samples**  
**Q Fraction 4 WCX2**



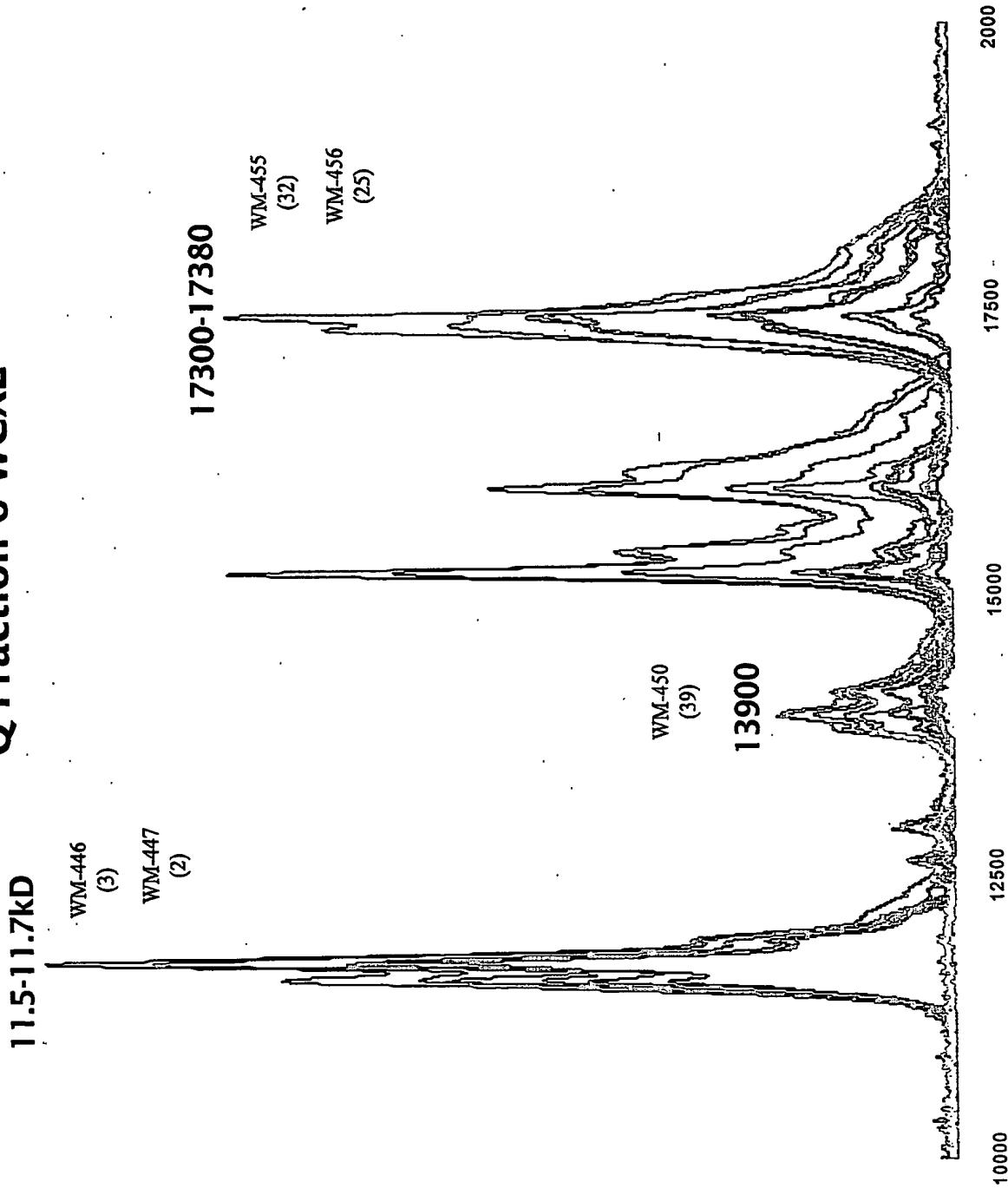
**Figure 13**  
**Protein Profile of Selected Samples**  
**Q Fraction 5 WCX2**



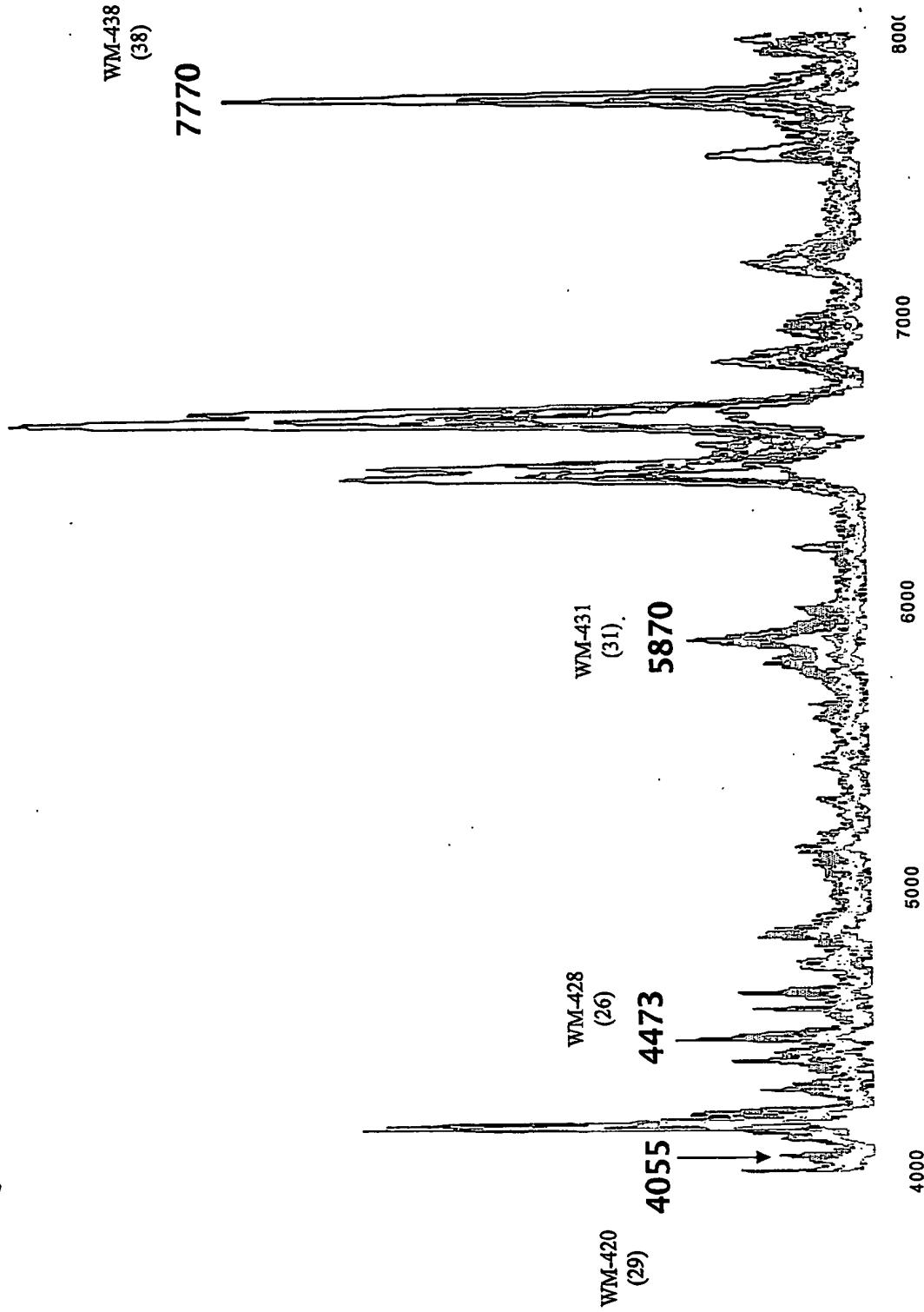
**Figure 14**  
**Protein Profile of Selected Samples**  
**Q Fraction 5 WCX2**



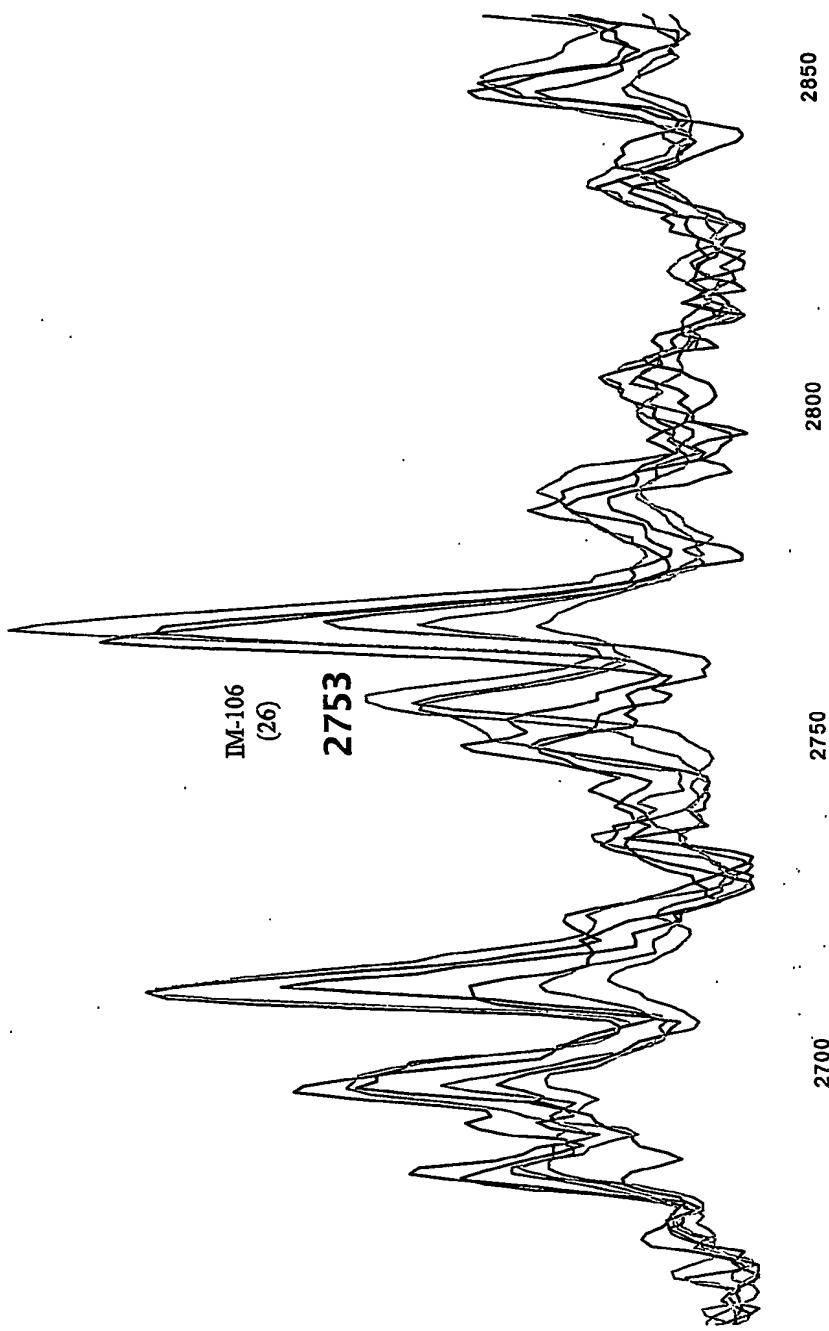
**Figure 15**  
**Protein Profile of Selected Samples**  
**Q Fraction 6 WCX2**



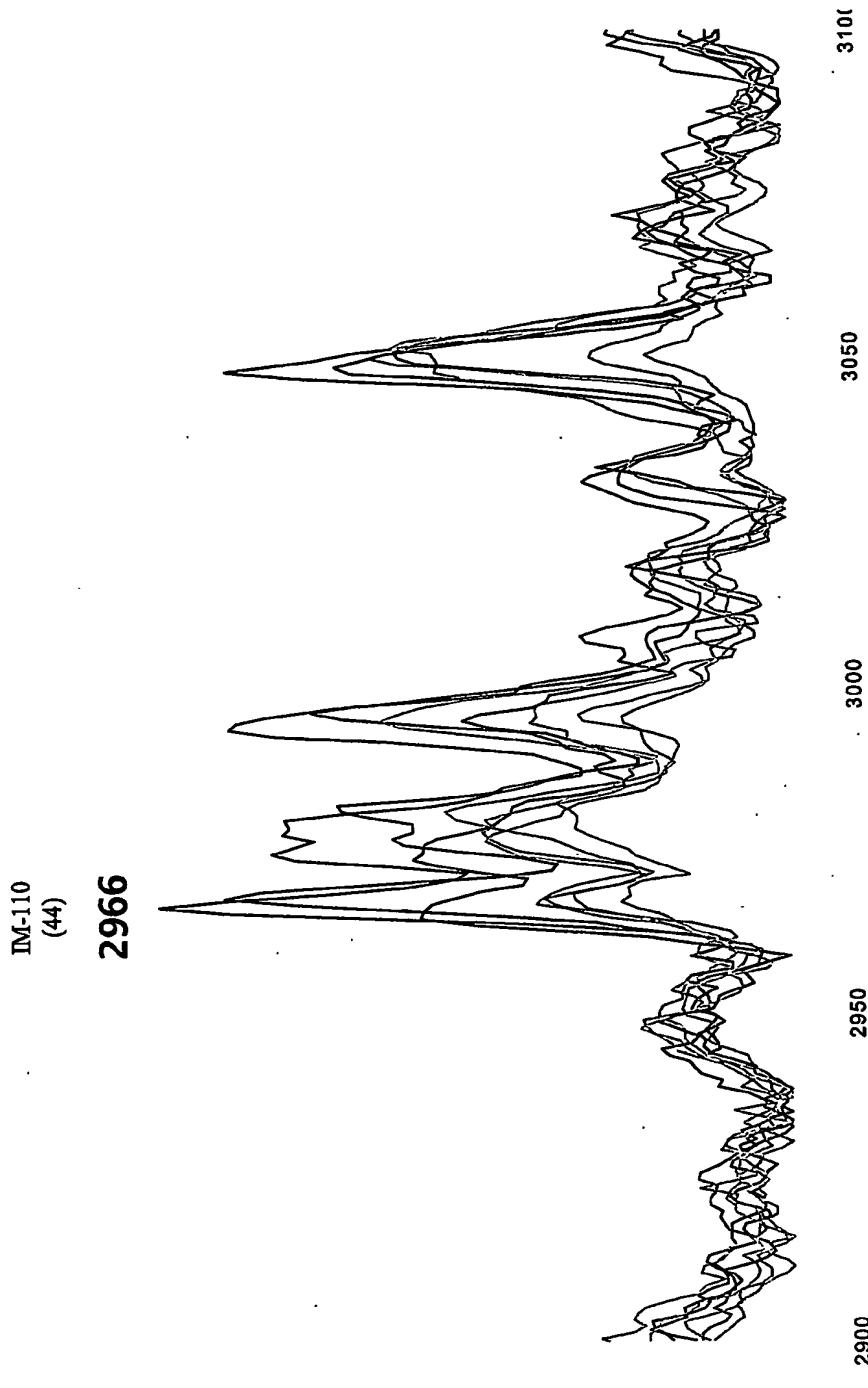
**Figure 16**  
**Protein Profile of Selected Samples**  
**Q Fraction 6 WCX2**



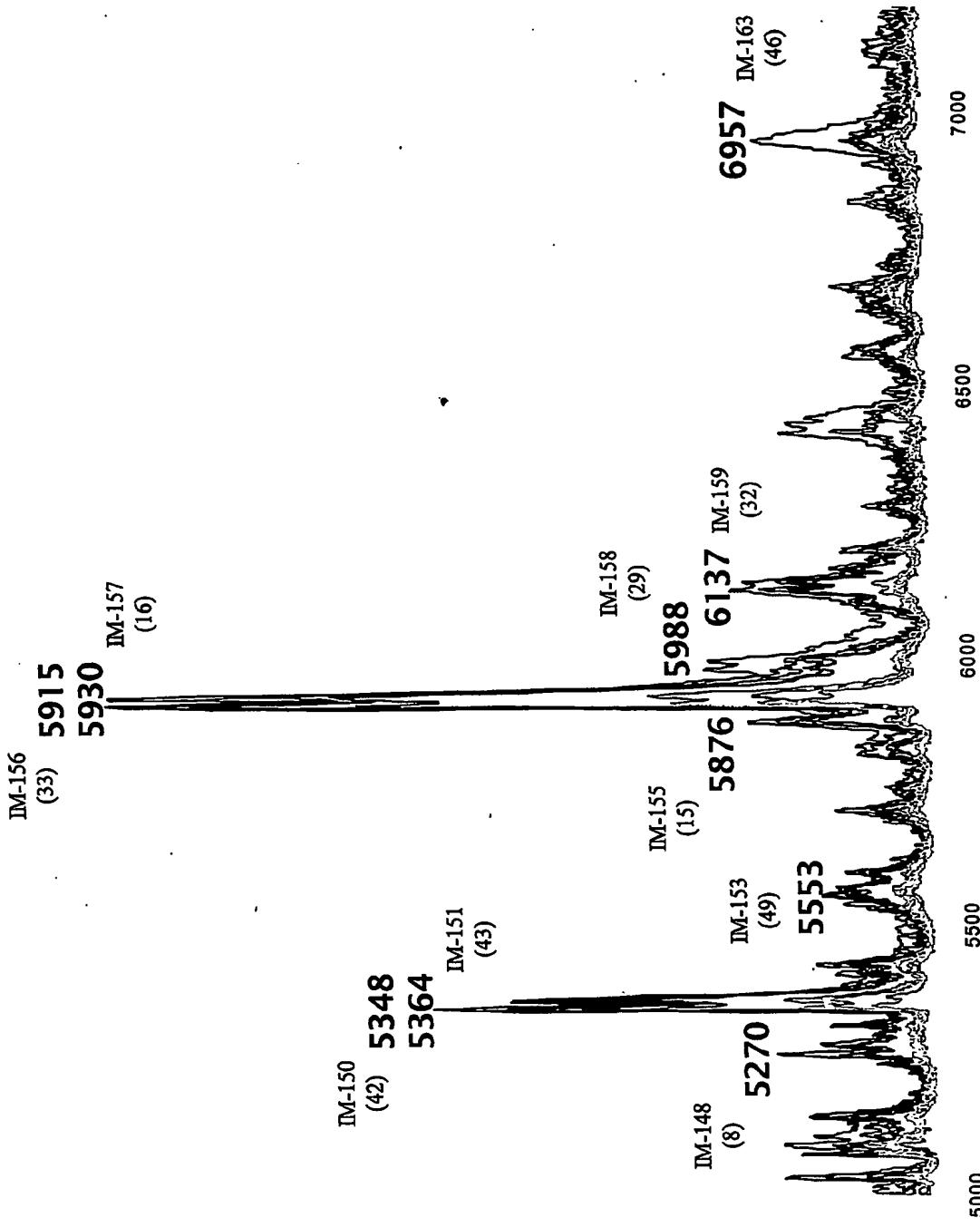
**Figure 17**  
**Protein Profile of Selected Samples**  
**Q Fraction 2 IMAC-Cu(II)**



**Figure 18**  
**Protein Profile of Selected Samples**  
**Q Fraction 2 IMAC-Cu(II)**



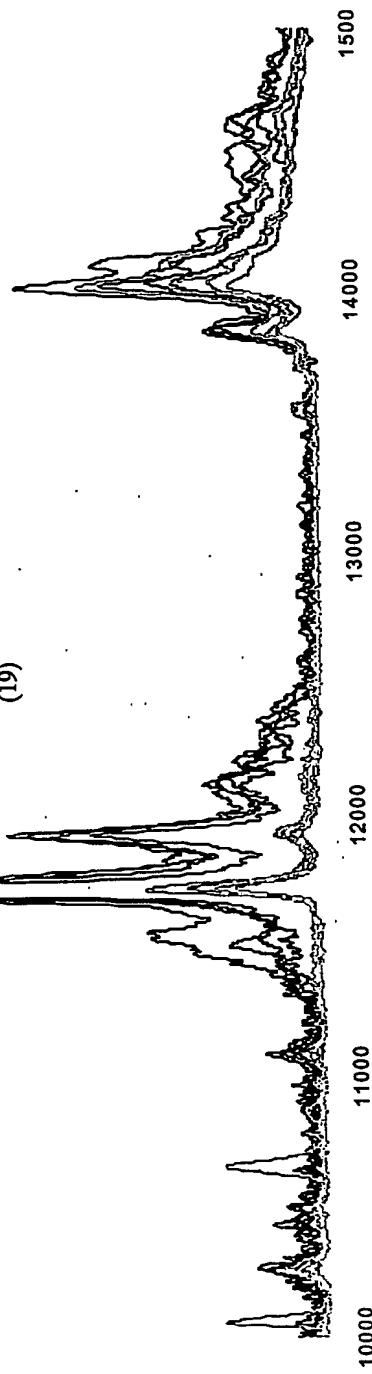
**Figure 19**  
**Protein Profile of Selected Samples**  
**Q Fraction 2 IMAC-Cu(II)**



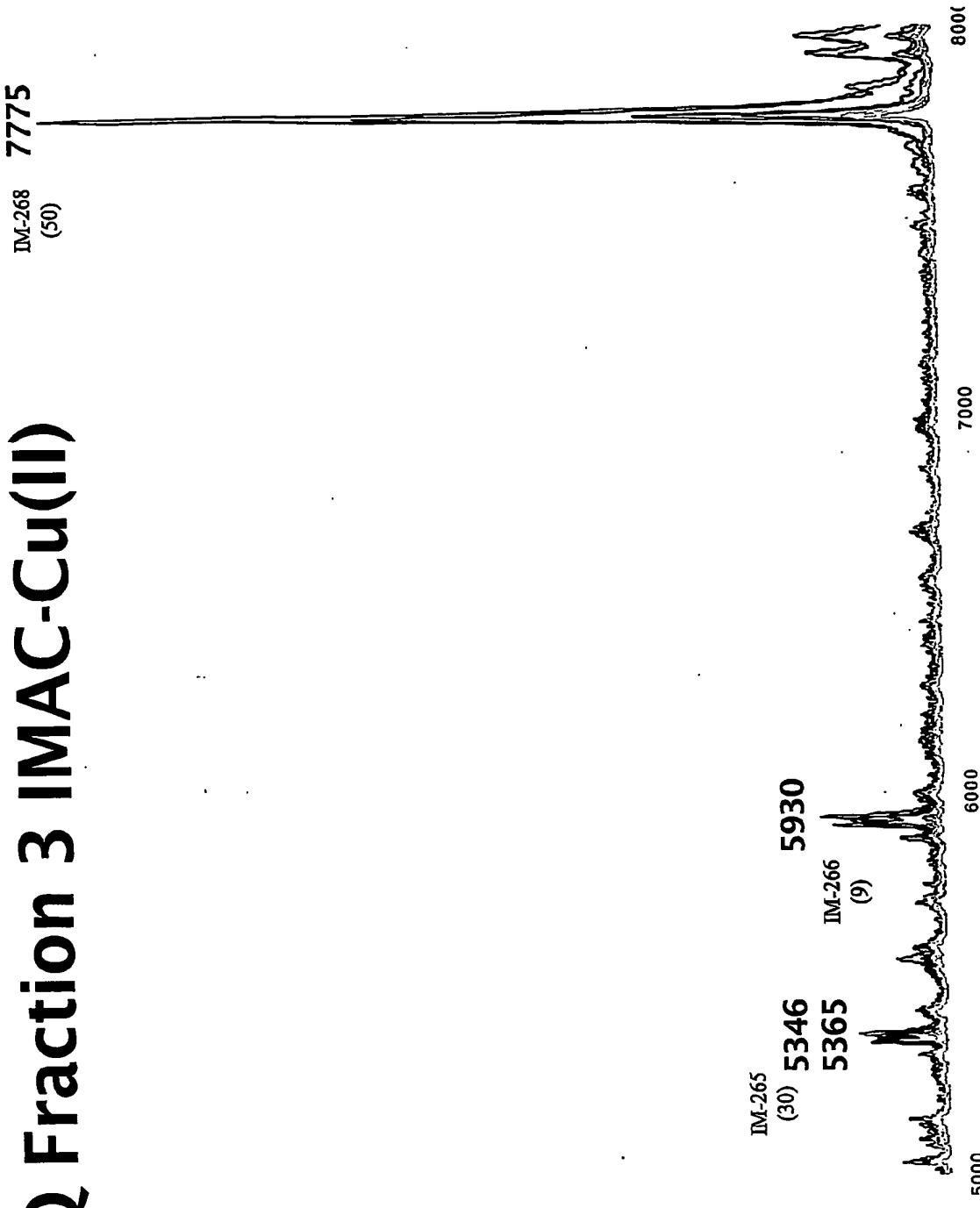
**Figure 20**  
**Protein Profile of Selected Samples**  
**Q Fraction 2 IMAC-Cu(II)**

11.7kD M-176  
(17)

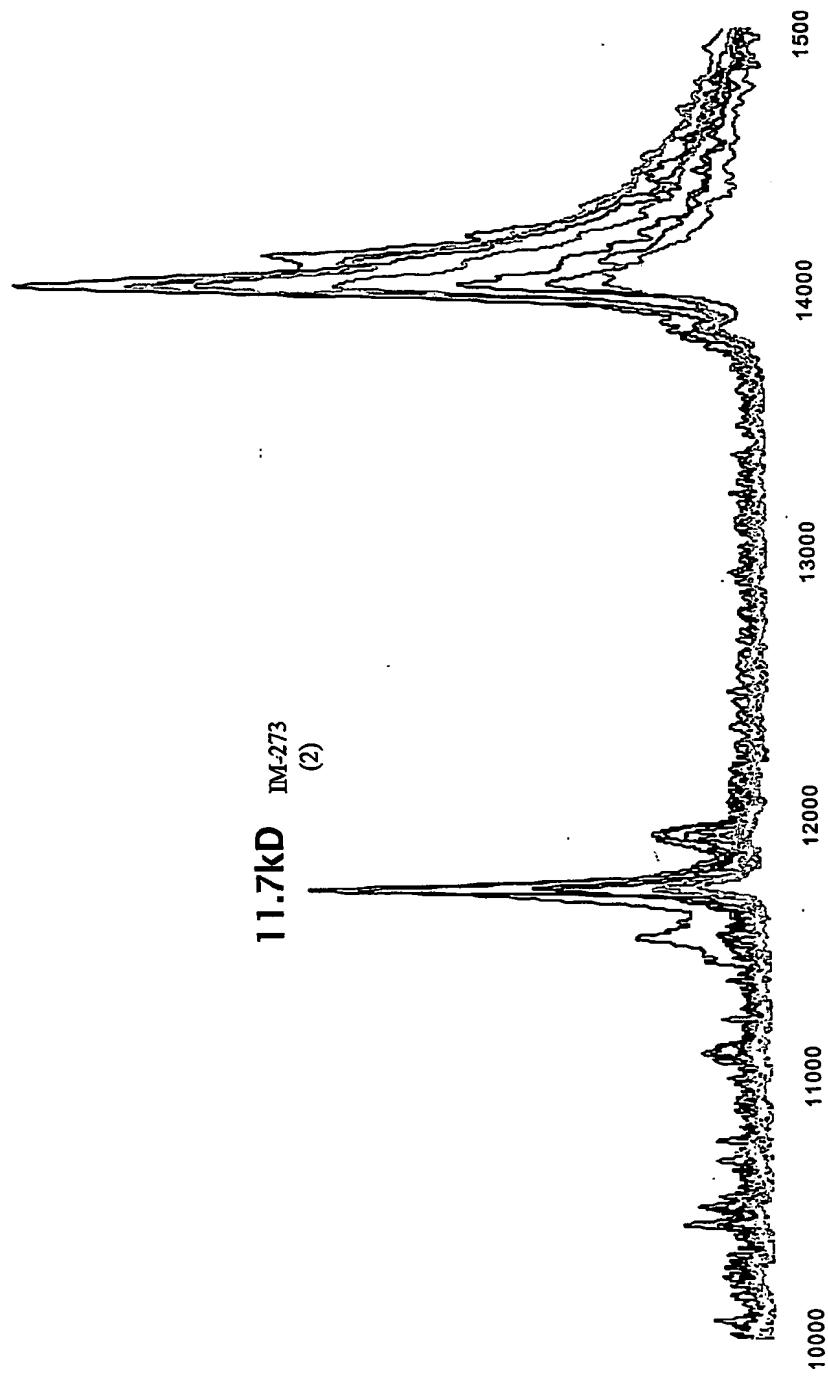
11.9kD M-177  
(19)



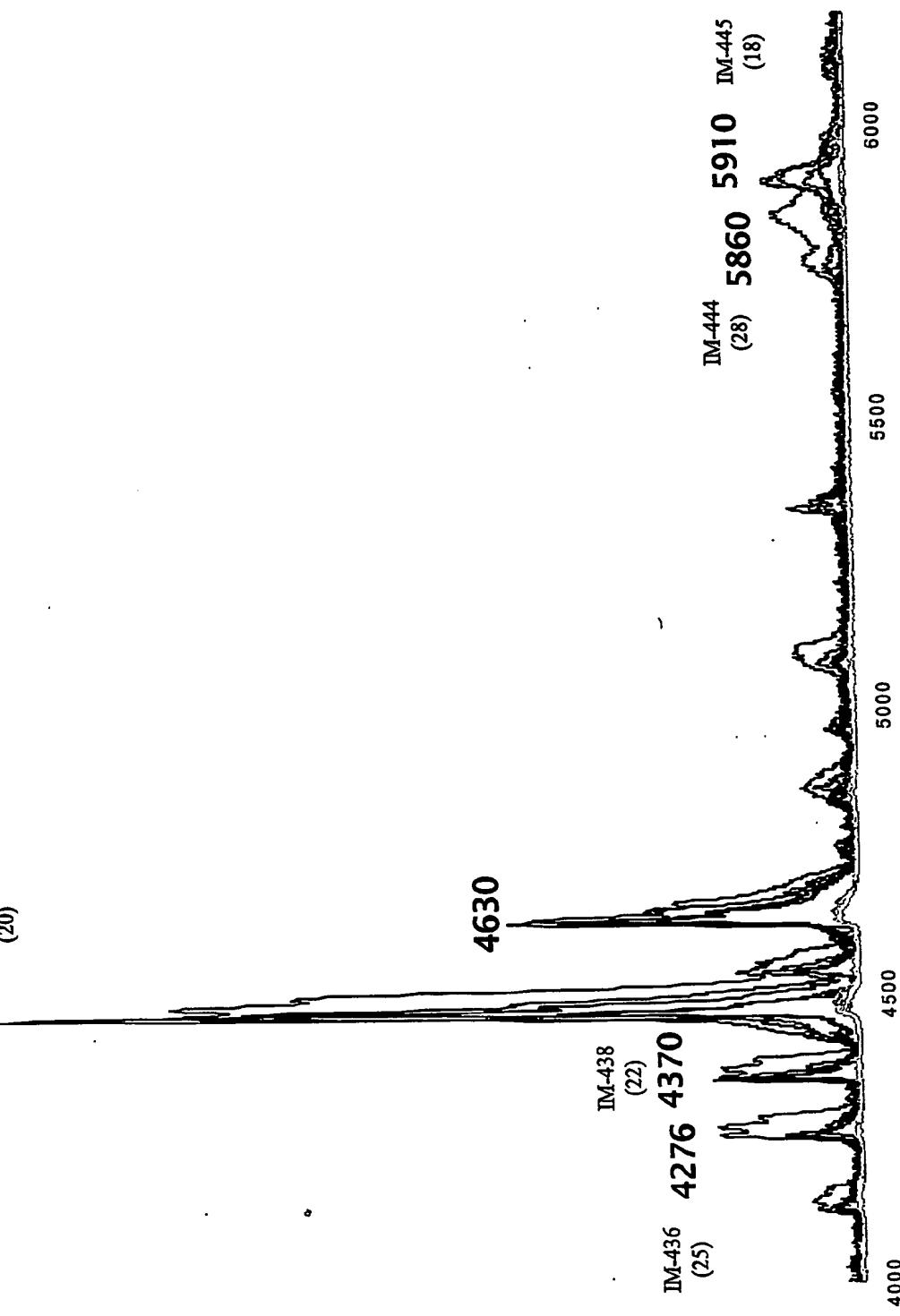
**Figure 21**  
**Protein Profile of Selected Samples**  
**Q Fraction 3 IMAC-Cu(II)**



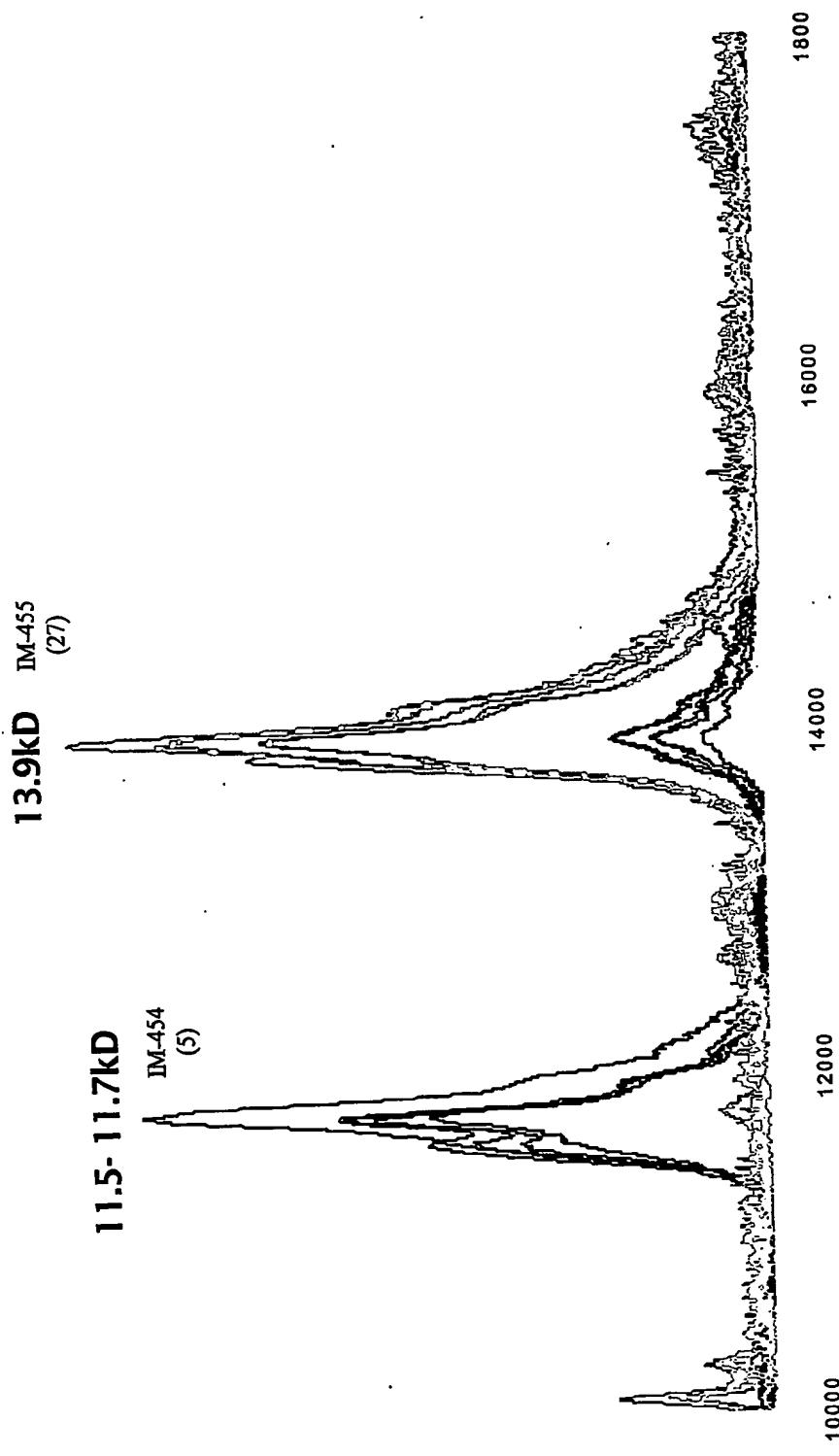
**Figure 22**  
**Protein Profile of Selected Samples**  
**Q Fraction 3 IMAC-Cu(II)**



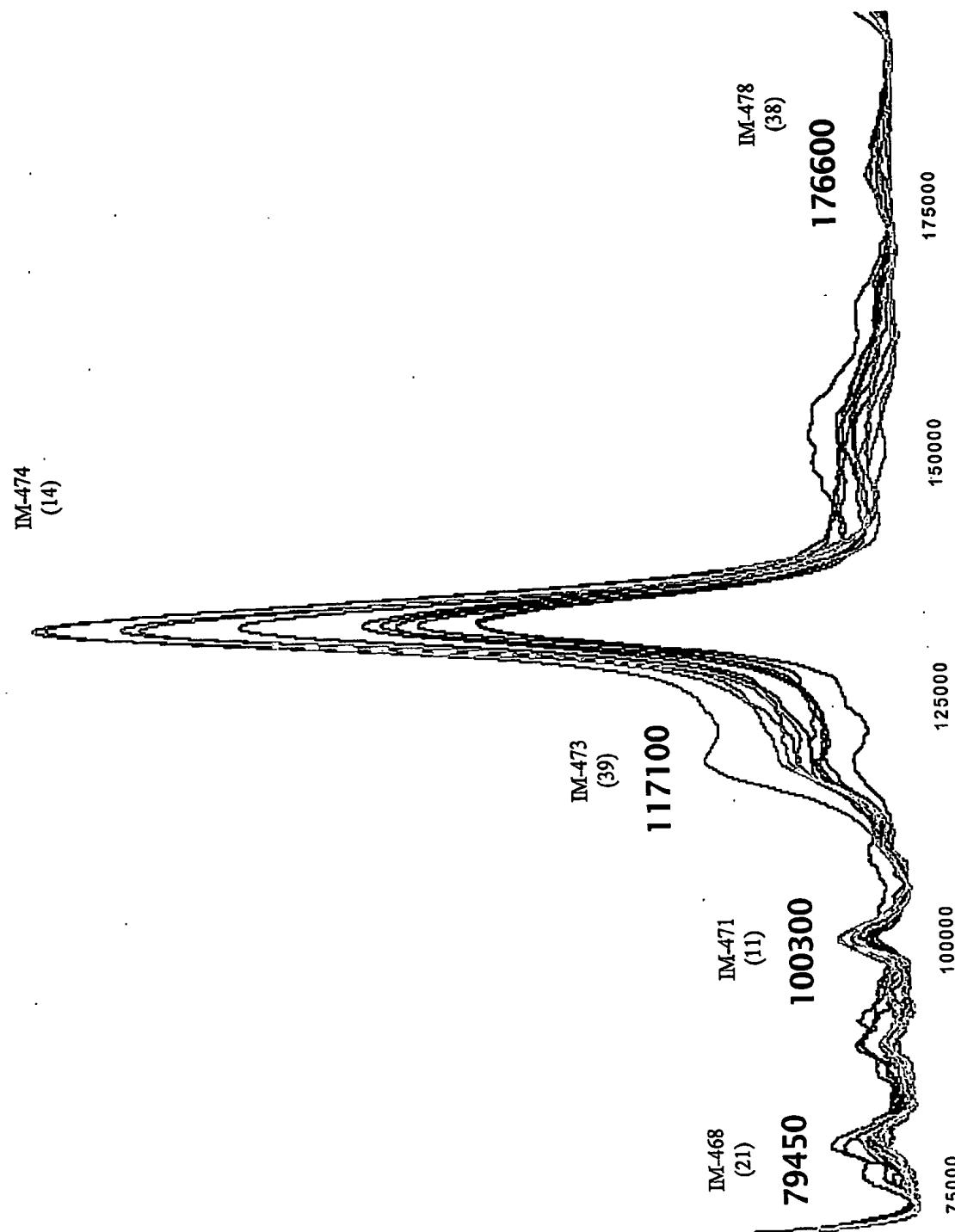
**Figure 23**  
**Protein Profile of Selected Samples**  
**Q Fraction 5 IMAC-Cu(II)**



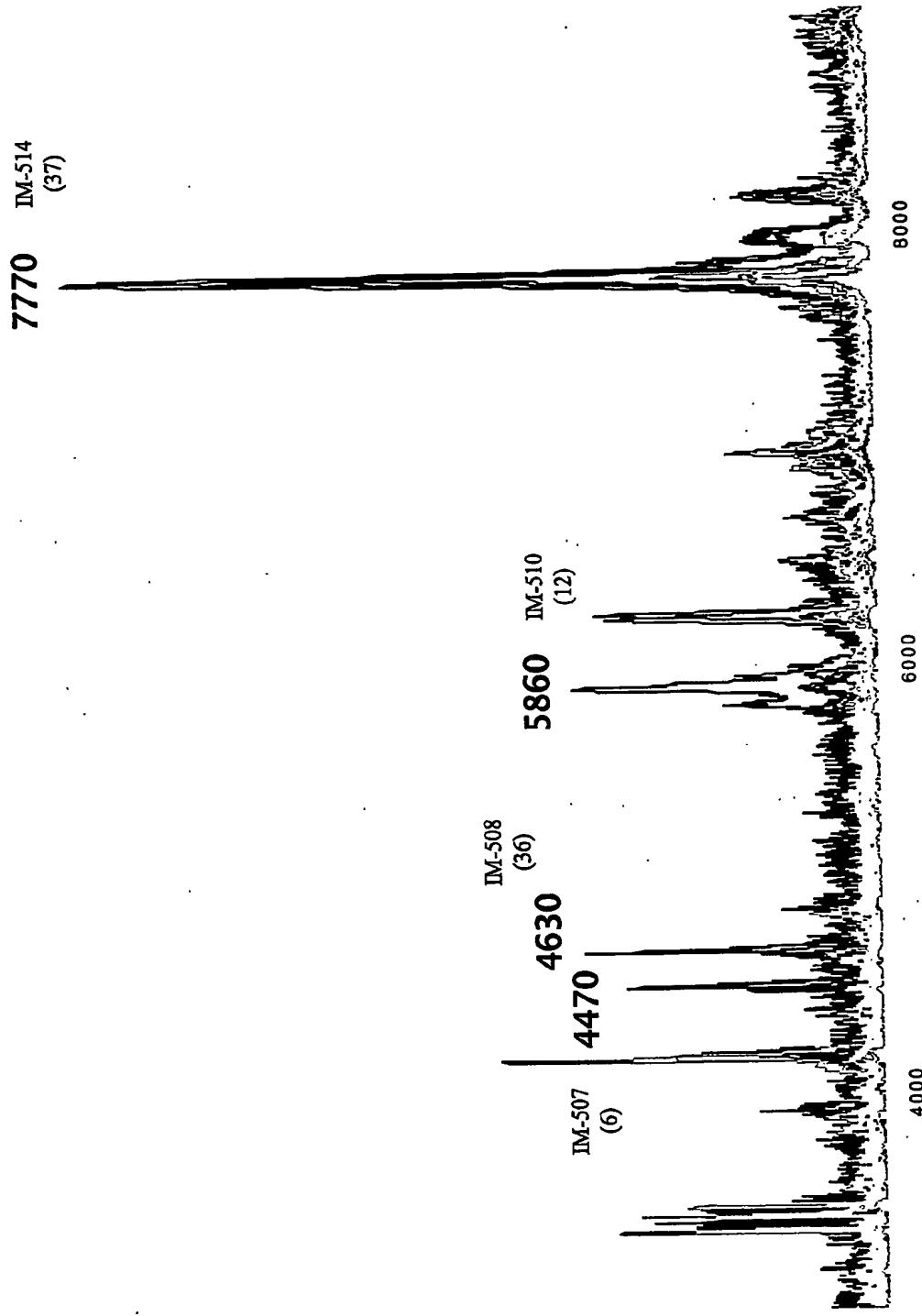
**Figure 24**  
**Protein Profile of Selected Samples**  
**Q Fraction 5 IMAC-Cu(III)**



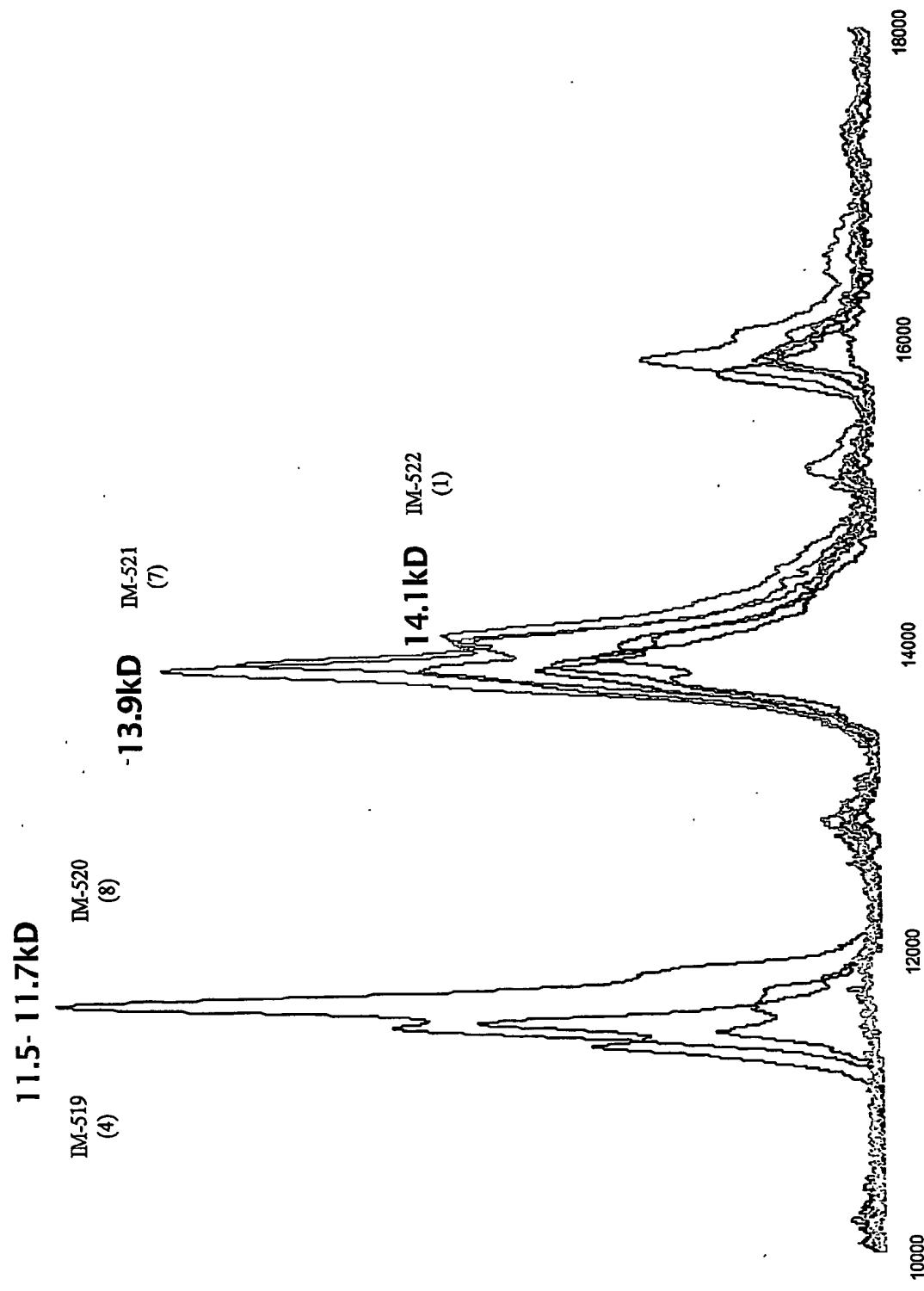
**Figure 25**  
**Protein Profile of Selected Samples**  
**Q Fraction 5 IMAC-Cu(II)**



**Figure 26**  
**Protein Profile of Selected Samples**  
**Q Fraction 6 IMAC-Cu(III)**



**Figure 27**  
**Protein Profile of Selected Samples**  
**Q Fraction 6 IMAC-Cu(II)**



**Figure 28**  
**Protein Profile of Selected Samples**  
**Q Fraction 6 IMAC-Cu(II)**  
**132kD**

